Docket No.: 826.1797

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of:

Seijun TANIKAWA *et al.*

Serial No. 10/082,112   Group Art Unit: 2455

Confirmation No. 3525

Filed: February 26, 2002   Examiner: Phillip B. Tran

For: INTERNET APPLIANCE TERMINAL, INTERNET APPLIANCE TERMINAL USER
         MANAGEMENT SYSTEM, AND INTERNET APPLIANCE USER MANAGEMENT
         PROGRAM

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Commissioner for Patents
P.O. Box 1450
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<u>**APPELLANTS' BRIEF ON APPEAL UNDER 37 C.F.R. § 41.37**</u>

Dear Sir:

The following comprises the Appellants' Brief on Appeal from the final rejection (mailed
August 12, 2008) of claims 1-17. The Appeal Brief is accompanied by the required appeal fee
set forth in 37 C.F.R. § 41.20(b)(2). Appellants' Notice of Appeal was filed on November 12,
2008. A Notice of Panel Decision from Pre-Appeal Brief Review mailed December 16, 2008
reset the due date for filing this Appeal Brief to January 16, 2009. Consequently, this Appeal
Brief is filed in a timely manner.

I. REAL PARTY IN INTEREST

The above-captioned application is assigned in its entirety to FUJITSU LIMITED, having a
corporate situs of 1-1, Kamikodanaka, 4-chome; Nakahara-ku, Kawasaki-shi; Kanagawa 211-
8588 Japan.

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II. RELATED APPEALS AND INTERFERENCES

Appellants state that, upon information and belief, Appellants are not aware of any co-pending appeal or interference that will directly affect, be directly affected by, or have a bearing on the Board's decision in the pending appeal.

III. STATUS OF CLAIMS

Claims 1-17 are pending in the application. Claims 1-17 stand rejected. The rejection of claims 1-17 is being appealed.

IV. STATUS OF AMENDMENTS

One amendment was filed subsequent to the final rejection, on November 4, 2008, to address the rejection of claims 1, 15, and 17 under 35 USC §112, second paragraph. The amendment was entered according to an Advisory Action mailed November 26, 2008, and thus the Appellants presume the rejection was withdrawn.

V. SUMMARY OF CLAIMED SUBJECT MATTER

1. Independent Claim 1:

Independent claim 1 is directed to an Internet appliance (IA) terminal user management device 3 which could be, for example, a server, as described in the specification at page 11, lines 7-25, continuing at page 12, lines 1-8, and shown in Fig. 1. The IA terminal user management device 3, which may be connected to an IA terminal 1 via a network 2, includes an IA terminal user storing unit, a transmission and receiving unit, a user registration information collation unit, and an automatic registration unit.

The IA terminal user storing unit stores IA terminal information including an IA terminal identifier for identifying a number or mark of a manufacturer of the IA terminal 1, service information including the kind of service to be received, and user registration information including user information concerning the user who receives the service, the IA terminal information representing registration information required for an Internet connection, as described at page 17, lines 16-25, and shown in Fig. 1.

The transmission and receiving unit transmits and receives the user registration information to and from the IA terminal 1, and requests the IA terminal 1 to input the user

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registration information, as described in the specification at page 12, lines 15-25, continuing at page 13, lines 1-8, page 16, lines 1-18, and shown in Fig. 1.

The user registration information collation unit collates the user registration information received by the transmission and receiving unit user management device 3 with the user registration information stored in the IA terminal user storing unit and writes to the user registration information in the IA terminal user storing unit if necessary, as described in the specification at page 18, lines 1-19, and shown in Fig. 1.

The automatic registration unit obtains the user registration information which has not been collated by the user registration information collation unit from the IA terminal 1 by means of the transmission and receiving unit user management device 3 and registers the information in the IA terminal user storing unit, as described in the specification at page 18, lines 1-19, and shown in Fig. 1.

2. Independent Claim 9:

Independent claim 9 is directed to an IA terminal 1 which performs information communication with an IA terminal user management device 3 for managing the IA terminal 1 via a network 2, as described in the specification at page 11, lines 7-25, continuing at page 12, lines 1-8, page 15, lines 20-24, and shown in Fig. 1.

A transmission and receiving unit transmits and receives IA terminal information including an IA terminal identifier for identifying a number or mark of a manufacturer of the IA terminal, service information including the kind of service to be received, and user registration information including user information concerning the user who receives the service to and from the IA terminal user management device 3 which manages the IA terminal 1 via the network 2, the IA terminal information representing registration information required for an Internet connection, as described in the specification at page 15, line 25, continuing at page 16, lines 1-9.

An input unit 5 inputs insufficient user registration information based on the request of the IA terminal user management device 3, and writes the user registration information in a user storing unit of the IA terminal 1, as described in the specification at page 14, lines 1-8, page 16, lines 9-13, and shown in Fig. 1.

The transmission and receiving unit on the IA terminal 1 transmits the user registration information inputted by the input unit 5 to the IA terminal user management device 3, as described at page 16, lines 1-18.

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The IA terminal user management device 3 judges whether or not the user registration information for the device has been written to the user storing unit of the IA terminal 1 before connecting the IA terminal 1 to the IA terminal user management device 3, as described at page 21, lines 17-22, and shown in Fig. 2.

3. Independent Claim 11:

Independent claim 11 is directed to an IA terminal user management program stored on a computer readable medium which makes a computer with which the IA terminal user management device 3 managing the IA terminal 1 connected via a network 2, as described in the specification at page 11, lines 7-25, continuing at page 12, lines 1-8, and shown in Fig. 1.

The program has the function which stores, in a database 4, IA terminal information including an IA terminal identifier for identifying a number or mark of a manufacturer of the IA terminal 1, service information including the kind of service to be received, user registration information including user information concerning the user who receives the service, the IA terminal information representing registration information required for an Internet connection, as described at page 17, lines 16-25, and shown in Fig. 1.

The program has a function which transmits and receives the user registration information to and from the IA terminal 1, and requests the IA terminal 1 to input the user registration information, as described in the specification at page 12, lines 15-25, continuing at page 13, lines 1-8, page 16, lines 1-18, and shown in Fig. 1.

The program has a function which collates the received user registration information with the user registration information stored in the database 4 and writes the user registration information in a user storing unit of the IA terminal 1, as described in the specification at page 18, lines 1-19, and shown in Fig. 1.

The program has a function which obtains the user registration information which is not collated by the collating function from the IA terminal 1, and automatically registers the information in the database 4, as described in the specification at page 18, lines 1-19, and shown in Fig. 1.

4. Independent Claim 13:

Independent claim 13 is directed to an IA terminal user management program stored on a computer readable medium which makes a computer with which the IA terminal 1 performing information communication with an IA terminal user management device 3 for managing the IA terminal 1 via a network 2, as described in the specification at page 11, lines 7-25, continuing at

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page 12, lines 1-8, page 15, lines 20-24, and shown in Fig. 1.

The function program has a function which transmits and receives IA terminal information including an IA terminal identifier for identifying a number or mark of a manufacturer of the IA terminal 1, service information including the kind of service to be received, and user registration information including user information concerning the user who receives the service to and from the IA terminal user management device 3 which manages the IA terminal 1 via a network 2, the IA terminal information representing registration information required for an Internet connection, as described in the specification at page 15, line 25, continuing at page 16, lines 1-9.

The program has a function which inputs insufficient user registration information based on the request of the IA terminal user management device 3, and writes the user registration information in a user storing unit of the IA terminal 1, as described in the specification at page 14, lines 1-8, page 16, lines 9-13, and shown in Fig. 1.

The transmission and receiving function transmits the inputted user registration information to the IA terminal user management device 3, as described at page 16, lines 1-18.

The IA terminal user management device 3 judges whether or not the user registration information for the device has been written to the user storing unit of the IA terminal 1 before connecting the IA terminal 1 to the IA terminal user management device 3 as described at page 21, lines 17-22, and shown in Fig. 2.

5. Independent Claim 15:

Independent claim 15 is a means-plus-function claim directed to an Internet appliance user management device 3 which is connected to an IA terminal 1 via a network 2, as described in the specification at page 11, lines 7-25, continuing at page 12, lines 1-8, page 15, lines 20-24, and shown in Fig. 1.

The device includes an IA terminal user storing means, which corresponds substantially to the IA terminal user storage unit described in the specification at page 13, lines 9-20, for storing IA terminal information including an IA terminal identifier for identifying a number or mark of a manufacturer of the IA terminal 1, service information including the kind of service to be received, and user registration information including user information concerning the user who receives the service, the IA terminal information representing registration information required for an Internet connection, as described at page 17, lines 16-25, and shown in Fig. 1.

The device includes an transmission and receiving means, which corresponds

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substantially to a transmission and receiving unit, for user management device 3 which transmits and receives the user registration information to and from the IA terminal 1, and requests the IA terminal 1 to input the user registration information, as described in the specification at page 12, lines 15-25, continuing at page 13, lines 1-8, page 16, lines 1-18, and shown in Fig. 1.

The device includes a user registration information collation means, which corresponds substantially to a user registration information unit, for collating the user registration information received by the transmission and receiving means user management device 3 with the user registration information stored in the IA terminal user storing means and for writing the user registration information in the IA terminal user storing means, as described in the specification at page 18, lines 1-19, and shown in Fig. 1.

The device includes an automatic registration means, which corresponds substantially to an automatic registration unit, for obtaining the user registration information which has not been collated by the user registration information collation means from the IA terminal 1 by means of the transmission and receiving means user management device 3 and registering the information in the IA terminal user storing means, as described in the specification at page 18, lines 1-19, and shown in Fig. 1.

6. Independent Claim 16:

Independent claim 16 is a means-plus-function claim directed to an IA terminal 1 which performs information communication with an IA terminal user management device 3 for managing the IA terminal 1 via a network 2, as described in the specification at page 11, lines 7-25, continuing at page 12, lines 1-8, page 15, lines 20-24, and shown in Fig. 1.

The IA terminal user management device 3 includes a transmission and receiving means, which corresponds substantially to a transmission and receiving unit, for transmitting and receiving IA terminal information including an IA terminal identifier for identifying a number or mark of a manufacturer of the IA terminal 1, service information including the kind of service to be received, user registration information including user information concerning the user who receives the service to and from the IA terminal user management device 3 which manages the IA terminal 1 via the network 2, the IA terminal information representing registration information required for an Internet connection, as described in the specification at page 15, line 25, continuing at page 16, lines 1-9.

The IA terminal user management device 3 includes an input means, which corresponds substantially to an input unit 5, for inputting insufficient user registration information based on the

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request of the IA terminal user management device 3 and writing the user registration information in a user storing unit of the IA terminal 1, as described in the specification at page 14, lines 1-8, page 16, lines 9-13, and shown in Fig. 1.

The transmission and receiving means on the IA terminal 1 transmits the user registration information inputted by the input means to the IA terminal user management device 3, as described at page 16, lines 1-18.

The IA terminal user management device 3 judges whether or not the user registration information for the device has been written to the user storing unit of the IA terminal 1 before connecting the IA terminal 1 to the IA terminal user management device 3, as described at page 21, lines 17-22, and shown in Fig. 2.

7. Independent Claim 17:

Independent claim 1 is directed to an Internet appliance (IA) terminal user management device 3 which could be, for example, a server, as described in the specification at page 11, lines 7-25, continuing at page 12, lines 1-8, and shown in Fig. 1. The IA terminal user management device 3, which may be connected to an IA terminal 1 via a network 2, includes an IA terminal user storing unit, a transmission and receiving unit, a user registration information collation unit, and an automatic registration unit.

The IA terminal user storing unit storing IA terminal information for the IA terminal 1 which is connected to the terminal user management device 3, the information including an IA terminal identifier for identifying a number or mark of a manufacturer of the IA terminal 1, service information including the service to be received, and user registration information including user information concerning the user who receives the service, the IA terminal information representing registration information required for an Internet connection, as described at page 17, lines 16-25, and shown in Fig. 1.

The transmission and receiving unit user management device 3, transmitting and receiving the user registration information to and from the IA terminal 1, and requests the IA terminal 1 to input the user registration information, as described in the specification at page 12, lines 15-25, continuing at page 13, lines 1-8, page 16, lines 1-18, and shown in Fig. 1.

The user registration information collation unit collating the user registration information received by the transmission and receiving unit user management device 3 with the user registration information stored in the IA terminal user storing unit and writing the user registration

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information in the IA terminal user storing unit if necessary, as described in the specification at page 18, lines 1-19, and shown in Fig. 1.

The automatic registration unit obtaining the user registration information which has not been collated by the user registration information collation unit from the IA terminal 1 by means of the transmission and receiving unit user management device 3 and registering the information in the IA terminal user storing unit, as described in the specification at page 18, lines 1-19, and shown in Fig. 1.

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VI. GROUNDS OF REJECTION TO BE REVIEWED ON APPEAL

The following grounds of rejection are to be reviewed in the Appeal:

The rejection of claims 1-17 under 35 U.S.C. § 102(e) as being anticipated by U.S. Patent No. 6,785,716 to Nobakht (hereinafter "Nobakht").

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VII. ARGUMENTS

1.   Claims 1-17 are not anticipated by Nobakht.

A.   Independent Claim 1:

Independent claim 1 is not anticipated by Nobakht because Nobakht fails to disclose all of the features of independent claim 1. Nobakht, for example, discloses no "Internet appliance (IA) terminal user management device . . . comprising an IA terminal user storing unit storing IA terminal information including an IA terminal identifier for identifying a number or mark of a manufacturer of the IA terminal, service information including the kind of service to be received, and user registration information including user information concerning the user who receives the service, said IA terminal information representing registration information required for an Internet connection," as recited in independent claim 1. In Nobakht, rather, the data is processed on the terminal side, not the device side. In particular, as described at column 1, lines 66 and 67, continuing at column 2, lines 1-4:

> When a channel number is entered, the user terminal retrieves the associated
> Internet address (e.g., URL) from the downloaded channel table, and connects
> the terminal to the selected Internet site.

Since, in Nobakht, the user terminal retrieves the associated Internet address (e.g., URL) from the downloaded channel table and connects the terminal to the selected Internet site when a channel number is entered, the data is processed on the terminal side in Nobakht, rather than the device side, and Nobakht has no "Internet appliance (IA) terminal user management device . . . comprising: an IA terminal user storing unit storing IA terminal information including an IA terminal identifier for identifying a number or mark of a manufacturer of the IA terminal, service information including the kind of service to be received, and user registration information including user information concerning the user who receives the service, said IA terminal information representing registration information required for an Internet connection," as recited in independent claim 1.

Each user terminal 130-A through 130-D in Nobakht, moreover, includes circuitry for connecting the user terminal to a selected Internet site 120-1 through 120-4. In particular, as described at column 3, lines 43-50:

> Each user terminal 130-A through 130-D includes circuitry for downloading and
> storing channel table data downloaded from server 110, displaying the channel
> numbers and Internet site names from the downloaded channel table data,

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allowing a user to enter selected channel numbers, and connecting the user
terminal to a selected Internet site 120-1 through 120-4 that is associated with the
selected channel number.

Since user terminal 130-A through 130-D in Nobakht includes circuitry for connecting the user
terminal to a selected Internet site 120-1 through 120-4, the data is processed on the terminal
side in Nobakht, rather than the device side, and Nobakht has no "Internet appliance (IA)
terminal user management device . . . comprising: an IA terminal user storing unit storing IA
terminal information including an IA terminal identifier for identifying a number or mark of a
manufacturer of the IA terminal, service information including the kind of service to be received,
and user registration information including user information concerning the user who receives
the service, said IA terminal information representing registration information required for an
Internet connection," as recited in independent claim 1.

The CPU of set-top box 131 in Nobakht, moreover, connects user terminal 130-A to a
selected Internet site. In particular, as described at column 4, lines 9-16:

In response to instructions stored in set-top box 131, the CPU of set-top box 131
connects user terminal 130-A to a selected Internet site (e.g., site 120-1) by
receiving a selected channel number (e.g., "010") entered by a user through input
device 133, reading the Internet address (e.g., "www.XYZN.com") associated with
the selected channel number from the channel table memory, and transmitting the
associated Internet address onto the Internet using the communication circuitry.

Since CPU of set-top box 131 in Nobakht connects user terminal 130-A to a selected
Internet site, the data is processed on the terminal side in Nobakht, rather than the device side,
and Nobakht has no "Internet appliance (IA) terminal user management device . . . comprising:
an IA terminal user storing unit storing IA terminal information including an IA terminal identifier
for identifying a number or mark of a manufacturer of the IA terminal, service information
including the kind of service to be received, and user registration information including user
information concerning the user who receives the service, said IA terminal information
representing registration information required for an Internet connection," as recited in
independent claim 1.

The goal of Nobakht, in fact, is an Internet access system that is significantly less
expensive than personal computers, and is as easy to use as a television. In particular, as
described at column 1, lines 52, 53, and 54:

What is needed is an Internet access system that is significantly less expensive
than personal computers, and is as easy to use as a television.

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Interpreting Nobakht to describe an "Internet appliance (IA) terminal user management device . . . comprising: an IA terminal user storing unit storing IA terminal information including an IA terminal identifier for identifying a number or mark of a manufacturer of the IA terminal, service information including the kind of service to be received, and user registration information including user information concerning the user who receives the service, said IA terminal information representing registration information required for an Internet connection," as recited in independent claim 1, on the other hand, would be inconsistent with the goal of Nobakht. Thus, the Examiner's interpretation of Nobakht is without basis.

The Examiner asserts in section 4(A), in the first full paragraph of page 11 of the final Office Action mailed August 12, 2008 (hereinafter "the final Office Action") that:

> In fact, Nobakht clearly discloses a client-server system similar to the system in the instant application wherein there is data communication and interaction between the client and the server.

Data communication and interaction between the client and the server, however, does not require, let alone amount to an "Internet appliance (IA) terminal user management device . . . comprising: an IA terminal user storing unit storing IA terminal information including an IA terminal identifier for identifying a number or mark of a manufacturer of the IA terminal, service information including the kind of service to be received, and user registration information including user information concerning the user who receives the service, said IA terminal information representing registration information required for an Internet connection," as recited in independent claim 1.

The Examiner asserts further in section 4(A), at the bottom of page 11, continuing at the top of page 12 of the final Office Action that:

> Nobakht teaches an Internet appliance user management system such as system server 110 is connected to the Internet [see Fig. 1] which is connected to an IA terminal such as user terminal 130A-D via a network, comprising an IA terminal user storing unit storing IA terminal information including an IA terminal identifier for identifying a number or mark of a manufacturer of the IA terminal, service information including the kind of service to be received, and user registration information including user information concerning the user who receives the service, said IA terminal information representing registration information required for an Internet connection.

This is submitted to be incorrect. The only number or mark of a manufacturer described in Nobakht identifies the set-top box 131, not the user terminal 131-A, and it is stored in asset

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manager flash 222. Asset manager flash 222, moreover, which stores information that identifies set-top box 131, such as serial number 342 and manufacture date 344, is part of the set-top box 131 of Nobakht, not the system server 110, as shown in Figs. 1 and 2. In particular, as described at column 7, lines 18-23:

> FIG. 3(C) is a block diagram illustrating an example of the data stored in asset manager flash 222. Asset manager flash 222 is a non-volatile memory that is permanently connected to internal bus 230. Asset manager flash 222 permanently stores information that identifies set-top box 131, such as serial number 342 and manufacture date 344.

Since, in Nobakht, the information that identifies set-top box 131, such as serial number 342 and manufacture date 344, is part of the set-top box 131 of Nobakht, not the system server 110, Nobakht has no "Internet appliance (IA) terminal user management device . . . comprising: an IA terminal user storing unit storing IA terminal information including an IA terminal identifier for identifying a number or mark of a manufacturer of the IA terminal, service information including the kind of service to be received, and user registration information including user information concerning the user who receives the service, said IA terminal information representing registration information required for an Internet connection," as recited in independent claim 1.

Asset manager flash 222, moreover, also stores current channel table version information 344 for each user in the customer group associated with set-top box 131. In particular, as described at column 7, lines 24, 25, and 26:

> Asset manager flash 222 also stores current channel table version information 344 for each user in the customer group associated with set-top box 131.

Since, Nobakht, also stores current channel table version information 344 for each user in the customer group associated with set-top box 131, Nobakht has no "Internet appliance (IA) terminal user management device . . . comprising: an IA terminal user storing unit storing IA terminal information including an IA terminal identifier for identifying a number or mark of a manufacturer of the IA terminal, service information including the kind of service to be received, and user registration information including user information concerning the user who receives the service, said IA terminal information representing registration information required for an Internet connection," as recited in independent claim 1.

The Examiner asserts further in section 4(A), at the page 12 of the final Office Action that:

> For example, the server 110 comprises the network database 416 and the

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channel table database 414. The network database 416 stores the user/terminal information (such as user name/PIN, user terminal serial number, user status information, etc.) used to identify and authorize users that request service. In addition, network database 416 may store optional user home page information that allows each user convenient and secure access to e-mail, chat, and other Internet applications currently available to conventional network users. The channel table database 414 stores one or more master channel tables (including channel number, site name, site address, etc.) that refers to the kind of service to be received by the client [see Figs. 1-2 & 4 & 7 and Col. 8, Line 1 to Col. 9, Line 50 and Col. 10, Lines 10-26 and Col. 12, Lines 45-53].

This is submitted to be incorrect. Network database 416 stores user and terminal information used to identify and authorize users that request service, not "an IA terminal identifier for identifying a number or mark of a manufacturer of the IA terminal, service information including the kind of service to be received, and user registration information including user information concerning the user who receives the service, said IA terminal information representing registration information required for an Internet connection," as recited in independent claim 1. In particular, as described at column 8, lines 32-38:

Network database 416 stores user and terminal information used to identify and authorize users that request service. In addition, network database 416 may store optional user home page information that allows each user convenient and secure access to e-mail, chat, and other Internet applications currently available to conventional network users.

Since the network database 416 in Nobakht stores user and terminal information used to identify and authorize users that request service, Nobakht has no "Internet appliance (IA) terminal user management device . . . comprising: an IA terminal user storing unit storing IA terminal information including an IA terminal identifier for identifying a number or mark of a manufacturer of the IA terminal, service information including the kind of service to be received, and user registration information including user information concerning the user who receives the service, said IA terminal information representing registration information required for an Internet connection," as recited in independent claim 1.

Network database 416, moreover, stores customer/user information (i.e., user name/PIN), "home" user terminal serial number, and user status information, not "an IA terminal identifier for identifying a number or mark of a manufacturer of the IA terminal, service information including the kind of service to be received, and user registration information including user information concerning the user who receives the service, said IA terminal information representing registration information required for an Internet connection," as recited

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in independent claim 1. In particular, as described at column 9, lines 16-19:

> Network database 416 is primarily used to store customer/user information (i.e.,
> user name/PIN), "home" user terminal serial number, and user status information.

Since the network database 416 in Nobakht stores customer/user information (i.e., user name/PIN), "home" user terminal serial number, and user status information, Nobakht has no "Internet appliance (IA) terminal user management device . . . comprising: an IA terminal user storing unit storing IA terminal information including an IA terminal identifier for identifying a number or mark of a manufacturer of the IA terminal, service information including the kind of service to be received, and user registration information including user information concerning the user who receives the service, said IA terminal information representing registration information required for an Internet connection," as recited in independent claim 1.

The "home" user terminal information, moreover, is used to determine whether a particular user has accessed the network from the user terminal storing the particular user's personal channel table, or whether the particular user is a "guest" on another user terminal, not "for identifying a number or mark of a manufacturer of the IA terminal, service information including the kind of service to be received, and user registration information including user information concerning the user who receives the service, said IA terminal information representing registration information required for an Internet connection," as recited in independent claim 1. In particular, as described at column 9, lines 19-24:

> As indicated in greater detail below, the "home" user terminal information is used
> to determine whether a particular user has accessed the network from the user
> terminal storing the particular user's personal channel table, or whether the
> particular user is a "guest" on another user terminal (e.g., provided at a hotel).

Since the "home" user terminal information is used to determine whether a particular user has accessed the network from the user terminal storing the particular user's personal channel table, or whether the particular user is a "guest" on another user terminal, Nobakht has no "Internet appliance (IA) terminal user management device . . . comprising: an IA terminal user storing unit storing IA terminal information including an IA terminal identifier for identifying a number or mark of a manufacturer of the IA terminal, service information including the kind of service to be received, and user registration information including user information concerning the user who receives the service, said IA terminal information representing registration information required for an Internet connection," as recited in independent claim 1.

User status information, finally, is used to determine whether a user is currently

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authorized to access the network, not "for identifying a number or mark of a manufacturer of the IA terminal, service information including the kind of service to be received, and user registration information including user information concerning the user who receives the service, said IA terminal information representing registration information required for an Internet connection," as recited in independent claim 1. In particular, as described at column 9, lines 24-28:

> User status information is used to determine whether a user is currently authorized to access the network. For example, user "DAN DELAY" is indicated as having an expired account due, for example, to late payment of user fees or misconduct.

Since the user status information is used to determine whether a user is currently authorized to access the network, Nobakht has no "Internet appliance (IA) terminal user management device . . . comprising: an IA terminal user storing unit storing IA terminal information including an IA terminal identifier for identifying a number or mark of a manufacturer of the IA terminal, service information including the kind of service to be received, and user registration information including user information concerning the user who receives the service, said IA terminal information representing registration information required for an Internet connection," as recited in independent claim 1.

Accordingly, because Nobakht fails to disclose all of the features of independent claim 1, the Examiner has failed to set forth a prima facie case of anticipation of independent claim 1 by Nobakht. Appellant, therefore, requests respectfully that the rejection of independent claim 1 be withdrawn.

B.   Independent Claim 9:

First: Independent claim 9 is not anticipated by Nobakht because Nobakht fails to disclose all of the features of independent claim 9. Nobakht, for example, discloses no "transmission and receiving unit transmitting and receiving IA terminal information including an IA terminal identifier for identifying a number or mark of a manufacturer of the IA terminal, service information including the kind of service to be received, and user registration information including user information concerning the user who receives the service to and from the IA terminal user management device which manages the IA terminal via the network, said IA terminal information representing registration information required for an Internet connection," as recited in independent claim 9. In Nobakht, rather, the data is processed on the terminal side, not the device side. In particular, as described at column 1, lines 66 and 67, continuing at column 2, lines 1-4:

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> When a channel number is entered, the user terminal retrieves the associated
> Internet address (e.g., URL) from the downloaded channel table, and connects
> the terminal to the selected Internet site.

Since, in Nobakht, the user terminal retrieves the associated Internet address (e.g., URL) from the downloaded channel table and connects the terminal to the selected Internet site when a channel number is entered, the data is processed on the terminal side in Nobakht, rather than the device side, and Nobakht has no "transmission and receiving unit transmitting and receiving IA terminal information including an IA terminal identifier for identifying a number or mark of a manufacturer of the IA terminal, service information including the kind of service to be received, and user registration information including user information concerning the user who receives the service to and from the IA terminal user management device which manages the IA terminal via the network, said IA terminal information representing registration information required for an Internet connection," as recited in independent claim 9.

Each user terminal 130-A through 130-D in Nobakht, moreover, includes circuitry for connecting the user terminal to a selected Internet site 120-1 through 120-4. In particular, as described at column 3, lines 43-50:

> Each user terminal 130-A through 130-D includes circuitry for downloading and
> storing channel table data downloaded from server 110, displaying the channel
> numbers and Internet site names from the downloaded channel table data,
> allowing a user to enter selected channel numbers, and connecting the user
> terminal to a selected Internet site 120-1 through 120-4 that is associated with the
> selected channel number.

Since user terminal 130-A through 130-D in Nobakht includes circuitry for connecting the user terminal to a selected Internet site 120-1 through 120-4, the data is processed on the terminal side in Nobakht, rather than the device side, and Nobakht has no "transmission and receiving unit transmitting and receiving IA terminal information including an IA terminal identifier for identifying a number or mark of a manufacturer of the IA terminal, service information including the kind of service to be received, and user registration information including user information concerning the user who receives the service to and from the IA terminal user management device which manages the IA terminal via the network, said IA terminal information representing registration information required for an Internet connection," as recited in independent claim 9.

The CPU of set-top box 131 in Nobakht, moreover, connects user terminal 130-A to a selected Internet site. In particular, as described at column 4, lines 9-16:

> In response to instructions stored in set-top box 131, the CPU of set-top box 131

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connects user terminal 130-A to a selected Internet site (e.g., site 120-1) by receiving a selected channel number (e.g., "010") entered by a user through input device 133, reading the Internet address (e.g., "www.XYZN.com") associated with the selected channel number from the channel table memory, and transmitting the associated Internet address onto the Internet using the communication circuitry.

Since CPU of set-top box 131 in Nobakht connects user terminal 130-A to a selected Internet site, the data is processed on the terminal side in Nobakht, rather than the device side, and Nobakht has no "transmission and receiving unit transmitting and receiving IA terminal information including an IA terminal identifier for identifying a number or mark of a manufacturer of the IA terminal, service information including the kind of service to be received, and user registration information including user information concerning the user who receives the service to and from the IA terminal user management device which manages the IA terminal via the network, said IA terminal information representing registration information required for an Internet connection," as recited in independent claim 9.

The goal of Nobakht, in fact, is an Internet access system that is significantly less expensive than personal computers, and is as easy to use as a television. In particular, as described at column 1, lines 52, 53, and 54:

What is needed is an Internet access system that is significantly less expensive than personal computers, and is as easy to use as a television.

Interpreting Nobakht to describe a "transmission and receiving unit transmitting and receiving IA terminal information including an IA terminal identifier for identifying a number or mark of a manufacturer of the IA terminal, service information including the kind of service to be received, and user registration information including user information concerning the user who receives the service to and from the IA terminal user management device which manages the IA terminal via the network, said IA terminal information representing registration information required for an Internet connection," as recited in independent claim 9, on the other hand, would be inconsistent with the goal of Nobakht. Thus, the Examiner's interpretation of Nobakht is without basis.

The Examiner asserts in section 4(B), at the bottom of page 13, continuing at the top of page 14 of the final Office Action that:

For example, Nobakht discloses input devices such as remote control 202 and wireless keyboard 203 or smart card 232 for entering and transmitting user/terminal information such as user name/PIN, user terminal serial number, user status information, etc. and set-top box 131 for receiving user/terminal

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information and controlling access to Internet sites/channels services.

Input devices such as remote control 202 and wireless keyboard 203 or smart card 232 for entering and transmitting user/terminal information, however, does not require, let alone amount to a "transmission and receiving unit transmitting and receiving IA terminal information including an IA terminal identifier for identifying a number or mark of a manufacturer of the IA terminal, service information including the kind of service to be received, and user registration information including user information concerning the user who receives the service to and from the IA terminal user management device which manages the IA terminal via the network, said IA terminal information representing registration information required for an Internet connection," as recited in independent claim 9.

In Nobakht, moreover, the input terminal 401 is used to enter channel table data and user/terminal information into channel table database 414 and network database 416, not the remote control 202 and wireless keyboard 203 or smart card 232, let alone a "transmission and receiving unit transmitting and receiving IA terminal information," as recited in independent claim 9. In particular, as described at column 8, lines 22-25:

> Input terminal 401 is used to enter channel table data and user/terminal information into channel table database 414 and network database 416, respectively, using known data processing techniques.

Since, in Nobakht, the input terminal 401 is used to enter channel table data and user/terminal information into channel table database 414 and network database 416, Nobakht has no "transmission and receiving unit transmitting and receiving IA terminal information including an IA terminal identifier for identifying a number or mark of a manufacturer of the IA terminal, service information including the kind of service to be received, and user registration information including user information concerning the user who receives the service to and from the IA terminal user management device which manages the IA terminal via the network, said IA terminal information representing registration information required for an Internet connection," as recited in independent claim 9.

The Examiner asserts further in section 4(B), at page 14 of the final Office Action that:

> Also, Nobakht discloses the server 110 transmits a request for user and terminal information and in return receives user identification information and terminal identification information and registration information including user/terminal information are collected and stored in the database for authorization process [see Figs. 1-4 & 7 and Col. 6, Line 37 to Col. 7, Line 36 and Col. 8, Line 1 to Col. 9, Line 50 and Col. 10, Lines 10-26 and Col. 12, Lines 45-53].

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This is submitted to be incorrect. Network database 416 stores user and terminal information used to identify and authorize users that request service, not a "transmission and receiving unit transmitting and receiving IA terminal information," as recited in independent claim 9. In particular, as described at column 8, lines 32-38:

> Network database 416 stores user and terminal information used to identify and
> authorize users that request service. In addition, network database 416 may store
> optional user home page information that allows each user convenient and
> secure access to e-mail, chat, and other Internet applications currently available
> to conventional network users.

Since the network database 416 in Nobakht stores user and terminal information used to identify and authorize users that request service, Nobakht has no "transmission and receiving unit transmitting and receiving IA terminal information including an IA terminal identifier for identifying a number or mark of a manufacturer of the IA terminal, service information including the kind of service to be received, and user registration information including user information concerning the user who receives the service to and from the IA terminal user management device which manages the IA terminal via the network, said IA terminal information representing registration information required for an Internet connection," as recited in independent claim 9.

Network database 416, moreover, stores customer/user information (i.e., user name/PIN), "home" user terminal serial number, and user status information, not "an IA terminal identifier for identifying a number or mark of a manufacturer of the IA terminal, service information including the kind of service to be received, and user registration information including user information concerning the user who receives the service to and from the IA terminal user management device which manages the IA terminal via the network, said IA terminal information representing registration information required for an Internet connection," as recited in independent claim 9. In particular, as described at column 9, lines 16-19:

> Network database 416 is primarily used to store customer/user information (i.e.,
> user name/PIN), "home" user terminal serial number, and user status information.

Since the network database 416 in Nobakht stores customer/user information (i.e., user name/PIN), "home" user terminal serial number, and user status information, Nobakht has no "transmission and receiving unit transmitting and receiving IA terminal information including an IA terminal identifier for identifying a number or mark of a manufacturer of the IA terminal, service information including the kind of service to be received, and user registration information including user information concerning the user who receives the service to and from the IA

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terminal user management device which manages the IA terminal via the network, said IA terminal information representing registration information required for an Internet connection," as recited in independent claim 9.

The "home" user terminal information, moreover, is used to determine whether a particular user has accessed the network from the user terminal storing the particular user's personal channel table, or whether the particular user is a "guest" on another user terminal, not "for identifying a number or mark of a manufacturer of the IA terminal, service information including the kind of service to be received, and user registration information including user information concerning the user who receives the service to and from the IA terminal user management device which manages the IA terminal via the network, said IA terminal information representing registration information required for an Internet connection," as recited in independent claim 9. In particular, as described at column 9, lines 19-24:

> As indicated in greater detail below, the "home" user terminal information is used
> to determine whether a particular user has accessed the network from the user
> terminal storing the particular user's personal channel table, or whether the
> particular user is a "guest" on another user terminal (e.g., provided at a hotel).

Since the "home" user terminal information is used to determine whether a particular user has accessed the network from the user terminal storing the particular user's personal channel table, or whether the particular user is a "guest" on another user terminal, Nobakht has no "transmission and receiving unit transmitting and receiving IA terminal information including an IA terminal identifier for identifying a number or mark of a manufacturer of the IA terminal, service information including the kind of service to be received, and user registration information including user information concerning the user who receives the service to and from the IA terminal user management device which manages the IA terminal via the network, said IA terminal information representing registration information required for an Internet connection," as recited in independent claim 9.

User status information, finally, is used to determine whether a user is currently authorized to access the network, not "for identifying a number or mark of a manufacturer of the IA terminal, service information including the kind of service to be received, and user registration information including user information concerning the user who receives the service to and from the IA terminal user management device which manages the IA terminal via the network, said IA terminal information representing registration information required for an Internet connection," as recited in independent claim 9. In particular, as described at column 9, lines 24-28:

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> User status information is used to determine whether a user is currently
> authorized to access the network. For example, user "DAN DELAY" is indicated
> as having an expired account due, for example, to late payment of user fees or
> misconduct.

Since the user status information is used to determine whether a user is currently authorized to access the network, Nobakht has no "transmission and receiving unit transmitting and receiving IA terminal information including an IA terminal identifier for identifying a number or mark of a manufacturer of the IA terminal, service information including the kind of service to be received, and user registration information including user information concerning the user who receives the service to and from the IA terminal user management device which manages the IA terminal via the network, said IA terminal information representing registration information required for an Internet connection," as recited in independent claim 9.

Second: Independent claim 9 is not anticipated by Nobakht because Nobakht fails to disclose all of the features of independent claim 9. Nobakht, for example, discloses no "the IA terminal user management device judges whether or not the user registration information for the device has been written to the user storing unit of the IA terminal before connecting the IA terminal to the IA terminal user management device," as recited in independent claim 9.

The Examiner asserts further in section 4(B), at the page 14 of the final Office Action that:

> Nobakht further teaches the server 110 automatically performs several network
> operation functions that maintain and update channel-based network including
> user terminal authorization, download control, update control, version check
> before connecting the IA terminal to the IA terminal user management device [see
> Figs. 4 & 7 and Col. 8, Lines 1-40 and Col. 10, Lines 10-26 and Col. 12, Line 43
> to Col. 13, Line 52].

Neither user terminal authorization, download control, update control, nor version check before connecting the IA terminal to the IA terminal user management device, however, amount to "the IA terminal user management device judges whether or not the user registration information for the device has been written to the user storing unit of the IA terminal before connecting the IA terminal to the IA terminal user management device," as recited in independent claim 9.

Accordingly, because Nobakht fails to disclose all of the features of independent claim 9, the Examiner has failed to set forth a prima facie case of anticipation of independent claim 9 by

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Nobakht. Appellant, therefore, requests respectfully that the rejection of independent claim 9 be withdrawn.

        C.   Independent Claim 11:

        Independent claim 11 is not anticipated by Nobakht because Nobakht fails to disclose all of the features of independent claim 11. Nobakht, for example, discloses no "computer with which the IA terminal user management device managing the IA terminal connected via a network is provided realize the function which stores, in a database, IA terminal information including an IA terminal identifier for identifying a number or mark of a manufacturer of the IA terminal, service information including the kind of service to be received, user registration information including user information concerning the user who receives the service, said IA terminal information representing registration information required for an Internet connection," as recited in independent claim 11. In Nobakht, rather, the data is processed on the terminal side, not the device side. In particular, as described at column 1, lines 66 and 67, continuing at column 2, lines 1-4:

> When a channel number is entered, the user terminal retrieves the associated
> Internet address (e.g., URL) from the downloaded channel table, and connects
> the terminal to the selected Internet site.

Since, in Nobakht, the user terminal retrieves the associated Internet address (e.g., URL) from the downloaded channel table and connects the terminal to the selected Internet site when a channel number is entered, the data is processed on the terminal side in Nobakht, rather than the device side, and Nobakht has no "computer with which the IA terminal user management device managing the IA terminal connected via a network is provided realize the function which stores, in a database, IA terminal information including an IA terminal identifier for identifying a number or mark of a manufacturer of the IA terminal, service information including the kind of service to be received, user registration information including user information concerning the user who receives the service, said IA terminal information representing registration information required for an Internet connection," as recited in independent claim 11.

        Each user terminal 130-A through 130-D in Nobakht, moreover, includes circuitry for connecting the user terminal to a selected Internet site 120-1 through 120-4. In particular, as described at column 3, lines 43-50:

> Each user terminal 130-A through 130-D includes circuitry for downloading and
> storing channel table data downloaded from server 110, displaying the channel
> numbers and Internet site names from the downloaded channel table data,

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> allowing a user to enter selected channel numbers, and connecting the user
> terminal to a selected Internet site 120-1 through 120-4 that is associated with the
> selected channel number.

Since user terminal 130-A through 130-D in Nobakht includes circuitry for connecting the user terminal to a selected Internet site 120-1 through 120-4, the data is processed on the terminal side in Nobakht, rather than the device side, and Nobakht has no "computer with which the IA terminal user management device managing the IA terminal connected via a network is provided realize the function which stores, in a database, IA terminal information including an IA terminal identifier for identifying a number or mark of a manufacturer of the IA terminal, service information including the kind of service to be received, user registration information including user information concerning the user who receives the service, said IA terminal information representing registration information required for an Internet connection," as recited in independent claim 11.

The CPU of set-top box 131 in Nobakht, moreover, connects user terminal 130-A to a selected Internet site. In particular, as described at column 4, lines 9-16:

> In response to instructions stored in set-top box 131, the CPU of set-top box 131
> connects user terminal 130-A to a selected Internet site (e.g., site 120-1) by
> receiving a selected channel number (e.g., "010") entered by a user through input
> device 133, reading the Internet address (e.g., "www.XYZN.com") associated with
> the selected channel number from the channel table memory, and transmitting the
> associated Internet address onto the Internet using the communication circuitry.

Since CPU of set-top box 131 in Nobakht connects user terminal 130-A to a selected Internet site, the data is processed on the terminal side in Nobakht, rather than the device side, and Nobakht has no "computer with which the IA terminal user management device managing the IA terminal connected via a network is provided realize the function which stores, in a database, IA terminal information including an IA terminal identifier for identifying a number or mark of a manufacturer of the IA terminal, service information including the kind of service to be received, user registration information including user information concerning the user who receives the service, said IA terminal information representing registration information required for an Internet connection," as recited in independent claim 11.

The goal of Nobakht, in fact, is an Internet access system that is significantly less expensive than personal computers, and is as easy to use as a television. In particular, as described at column 1, lines 52, 53, and 54:

> What is needed is an Internet access system that is significantly less expensive

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than personal computers, and is as easy to use as a television.

Interpreting Nobakht to describe an "Internet appliance (IA) terminal user management device . . . comprising: an IA terminal user storing unit storing IA terminal information including an IA terminal identifier for identifying a number or mark of a manufacturer of the IA terminal, service information including the kind of service to be received, and user registration information including user information concerning the user who receives the service, said IA terminal information representing registration information required for an Internet connection," as recited in independent claim 11, on the other hand, would be inconsistent with the goal of Nobakht. Thus, the Examiner's interpretation of Nobakht is without basis.

The Examiner asserts in section 4(C), at the bottom of page 15 of the final Office Action that:

> Nobakht teaches the server 110 comprises the network database 416 and the channel table database 414. The network database 416 stores the user/terminal information (such as user name/PIN, user terminal serial number, user status information, etc.) used to identify and authorize users that request service. In addition, network database 416 may store optional user home page information that allows each user convenient and secure access to e-mail, chat, and other Internet applications currently available to conventional network users. The channel table database 414 stores one or more master channel tables (including channel number, site name, site address, etc.) that refers to the kind of service to be received by the client [see Figs. 1-2 & 4 & 7 and Col. 8, Line 1 to Col. 9, Line 50 and Col. 10, Lines 10-26 and Col. 12, Lines 45-53].

This is submitted to be incorrect. Network database 416 stores user and terminal information used to identify and authorize users that request service, not "IA terminal information including an IA terminal identifier for identifying a number or mark of a manufacturer of the IA terminal, service information including the kind of service to be received, user registration information including user information concerning the user who receives the service, said IA terminal information representing registration information required for an Internet connection," as recited in independent claim 11. In particular, as described at column 8, lines 32-38:

> Network database 416 stores user and terminal information used to identify and authorize users that request service. In addition, network database 416 may store optional user home page information that allows each user convenient and secure access to e-mail, chat, and other Internet applications currently available to conventional network users.

Since the network database 416 in Nobakht stores user and terminal information used to identify and authorize users that request service, Nobakht has no "computer with which the IA

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terminal user management device managing the IA terminal connected via a network is provided realize the function which stores, in a database, IA terminal information including an IA terminal identifier for identifying a number or mark of a manufacturer of the IA terminal, service information including the kind of service to be received, user registration information including user information concerning the user who receives the service, said IA terminal information representing registration information required for an Internet connection," as recited in independent claim 11.

Network database 416, moreover, stores customer/user information (i.e., user name/PIN), "home" user terminal serial number, and user status information, not "an IA terminal identifier for identifying a number or mark of a manufacturer of the IA terminal, service information including the kind of service to be received, and user registration information including user information concerning the user who receives the service, said IA terminal information representing registration information required for an Internet connection," as recited in independent claim 11. In particular, as described at column 9, lines 16-19:

> Network database 416 is primarily used to store customer/user information (i.e., user name/PIN), "home" user terminal serial number, and user status information.

Since the network database 416 in Nobakht stores customer/user information (i.e., user name/PIN), "home" user terminal serial number, and user status information, Nobakht has no "computer with which the IA terminal user management device managing the IA terminal connected via a network is provided realize the function which stores, in a database, IA terminal information including an IA terminal identifier for identifying a number or mark of a manufacturer of the IA terminal, service information including the kind of service to be received, user registration information including user information concerning the user who receives the service, said IA terminal information representing registration information required for an Internet connection," as recited in independent claim 11.

The "home" user terminal information, moreover, is used to determine whether a particular user has accessed the network from the user terminal storing the particular user's personal channel table, or whether the particular user is a "guest" on another user terminal, not "for identifying a number or mark of a manufacturer of the IA terminal, service information including the kind of service to be received, and user registration information including user information concerning the user who receives the service, said IA terminal information representing registration information required for an Internet connection," as recited in

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independent claim 11. In particular, as described at column 9, lines 19-24:

> As indicated in greater detail below, the "home" user terminal information is used
> to determine whether a particular user has accessed the network from the user
> terminal storing the particular user's personal channel table, or whether the
> particular user is a "guest" on another user terminal (e.g., provided at a hotel).

Since the "home" user terminal information is used to determine whether a particular
user has accessed the network from the user terminal storing the particular user's personal
channel table, or whether the particular user is a "guest" on another user terminal, Nobakht has
no "computer with which the IA terminal user management device managing the IA terminal
connected via a network is provided realize the function which stores, in a database, IA terminal
information including an IA terminal identifier for identifying a number or mark of a manufacturer
of the IA terminal, service information including the kind of service to be received, user
registration information including user information concerning the user who receives the service,
said IA terminal information representing registration information required for an Internet
connection," as recited in independent claim 11.

User status information, finally, is used to determine whether a user is currently
authorized to access the network, not "for identifying a number or mark of a manufacturer of the
IA terminal, service information including the kind of service to be received, and user registration
information including user information concerning the user who receives the service, said IA
terminal information representing registration information required for an Internet connection," as
recited in independent claim 11. In particular, as described at column 9, lines 24-28:

> User status information is used to determine whether a user is currently
> authorized to access the network. For example, user "DAN DELAY" is indicated
> as having an expired account due, for example, to late payment of user fees or
> misconduct.

Since the user status information is used to determine whether a user is currently
authorized to access the network, Nobakht has no "computer with which the IA terminal user
management device managing the IA terminal connected via a network is provided realize the
function which stores, in a database, IA terminal information including an IA terminal identifier for
identifying a number or mark of a manufacturer of the IA terminal, service information including
the kind of service to be received, user registration information including user information
concerning the user who receives the service, said IA terminal information representing
registration information required for an Internet connection," as recited in independent claim 11.

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In Nobakht, moreover, the input terminal 401 is used to enter channel table data and user/terminal information into channel table database 414 and network database 416, not the remote control 202 and wireless keyboard 203 or smart card 232, let alone a "transmission and receiving unit transmitting and receiving IA terminal information," as recited in independent claim 11. In particular, as described at column 8, lines 22-25:

> Input terminal 401 is used to enter channel table data and user/terminal information into channel table database 414 and network database 416, respectively, using known data processing techniques.

Since, in Nobakht, the input terminal 401 is used to enter channel table data and user/terminal information into channel table database 414 and network database 416, Nobakht has no "computer with which the IA terminal user management device managing the IA terminal connected via a network is provided realize the function which stores, in a database, IA terminal information including an IA terminal identifier for identifying a number or mark of a manufacturer of the IA terminal, service information including the kind of service to be received, user registration information including user information concerning the user who receives the service, said IA terminal information representing registration information required for an Internet connection," as recited in independent claim 11.

Accordingly, because Nobakht fails to disclose all of the features of independent claim 11, the Examiner has failed to set forth a prima facie case of anticipation of independent claim 11 by Nobakht. Appellant, therefore, requests respectfully that the rejection of independent claim 11 be withdrawn.

D.   Independent Claim 13:

First: Independent claim 13 is not anticipated by Nobakht because Nobakht fails to disclose all of the features of independent claim 13. Nobakht, for example, discloses no "function which transmits and receives IA terminal information including an IA terminal identifier for identifying a number or mark of a manufacturer of the IA terminal, service information including the kind of service to be received, and user registration information including user information concerning the user who receives the service to and from the IA terminal user management device which manages the IA terminal via a network, said IA terminal information representing registration information required for an Internet connection," as recited in independent claim 13. In Nobakht, rather, the data is processed on the terminal side, not the device side. In particular, as described at column 1, lines 66 and 67, continuing at column 2, lines 1-4:

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> When a channel number is entered, the user terminal retrieves the associated
> Internet address (e.g., URL) from the downloaded channel table, and connects
> the terminal to the selected Internet site.

Since, in Nobakht, the user terminal retrieves the associated Internet address (e.g., URL) from the downloaded channel table and connects the terminal to the selected Internet site when a channel number is entered, the data is processed on the terminal side in Nobakht, rather than the device side, and Nobakht has no "function which transmits and receives IA terminal information including an IA terminal identifier for identifying a number or mark of a manufacturer of the IA terminal, service information including the kind of service to be received, and user registration information including user information concerning the user who receives the service to and from the IA terminal user management device which manages the IA terminal via a network, said IA terminal information representing registration information required for an Internet connection," as recited in independent claim 13.

Each user terminal 130-A through 130-D in Nobakht, moreover, includes circuitry for connecting the user terminal to a selected Internet site 120-1 through 120-4. In particular, as described at column 3, lines 43-50:

> Each user terminal 130-A through 130-D includes circuitry for downloading and
> storing channel table data downloaded from server 110, displaying the channel
> numbers and Internet site names from the downloaded channel table data,
> allowing a user to enter selected channel numbers, and connecting the user
> terminal to a selected Internet site 120-1 through 120-4 that is associated with the
> selected channel number.

Since user terminal 130-A through 130-D in Nobakht includes circuitry for connecting the user terminal to a selected Internet site 120-1 through 120-4, the data is processed on the terminal side in Nobakht, rather than the device side, and Nobakht has no "function which transmits and receives IA terminal information including an IA terminal identifier for identifying a number or mark of a manufacturer of the IA terminal, service information including the kind of service to be received, and user registration information including user information concerning the user who receives the service to and from the IA terminal user management device which manages the IA terminal via a network, said IA terminal information representing registration information required for an Internet connection," as recited in independent claim 13.

The CPU of set-top box 131 in Nobakht, moreover, connects user terminal 130-A to a selected Internet site. In particular, as described at column 4, lines 9-16:

> In response to instructions stored in set-top box 131, the CPU of set-top box 131

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> connects user terminal 130-A to a selected Internet site (e.g., site 120-1) by
> receiving a selected channel number (e.g., "010") entered by a user through input
> device 133, reading the Internet address (e.g., "www.XYZN.com") associated with
> the selected channel number from the channel table memory, and transmitting the
> associated Internet address onto the Internet using the communication circuitry.

Since CPU of set-top box 131 in Nobakht connects user terminal 130-A to a selected

Internet site, the data is processed on the terminal side in Nobakht, rather than the device side,

and Nobakht has no "function which transmits and receives IA terminal information including an

IA terminal identifier for identifying a number or mark of a manufacturer of the IA terminal,

service information including the kind of service to be received, and user registration information

including user information concerning the user who receives the service to and from the IA

terminal user management device which manages the IA terminal via a network, said IA terminal

information representing registration information required for an Internet connection," as recited

in independent claim 13.

The goal of Nobakht, in fact, is an Internet access system that is significantly less

expensive than personal computers, and is as easy to use as a television. In particular, as

described at column 1, lines 52, 53, and 54:

> What is needed is an Internet access system that is significantly less expensive
> than personal computers, and is as easy to use as a television.

Interpreting Nobakht to describe a "function which transmits and receives IA terminal

information including an IA terminal identifier for identifying a number or mark of a manufacturer

of the IA terminal, service information including the kind of service to be received, and user

registration information including user information concerning the user who receives the service

to and from the IA terminal user management device which manages the IA terminal via a

network, said IA terminal information representing registration information required for an

Internet connection," as recited in independent claim 13, on the other hand, would be

inconsistent with the goal of Nobakht. Thus, the Examiner's interpretation of Nobakht is without

basis.

The Examiner asserts in section 4(D), at the bottom of page 16, continuing at the top of

page 17 of the final Office Action that:

> Nobakht discloses input devices such as remote control 202 and wireless
> keyboard 203 or smart card 232 for entering and transmitting user/terminal
> information such as user name/PIN, user terminal serial number, user status
> information, etc. and set-top box 131 for receiving user/terminal information and

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controlling access to Internet sites/channels services.

Input devices such as remote control 202 and wireless keyboard 203 or smart card 232 for entering and transmitting user/terminal information, however, does not require, let alone amount to a "function which transmits and receives IA terminal information including an IA terminal identifier for identifying a number or mark of a manufacturer of the IA terminal, service information including the kind of service to be received, and user registration information including user information concerning the user who receives the service to and from the IA terminal user management device which manages the IA terminal via a network, said IA terminal information representing registration information required for an Internet connection," as recited in independent claim 13.

In Nobakht, moreover, the input terminal 401 is used to enter channel table data and user/terminal information into channel table database 414 and network database 416, not the remote control 202 and wireless keyboard 203 or smart card 232, let alone a "transmission and receiving unit transmitting and receiving IA terminal information," as recited in independent claim 13. In particular, as described at column 8, lines 22-25:

> Input terminal 401 is used to enter channel table data and user/terminal information into channel table database 414 and network database 416, respectively, using known data processing techniques.

Since, in Nobakht, the input terminal 401 is used to enter channel table data and user/terminal information into channel table database 414 and network database 416, Nobakht has no "function which transmits and receives IA terminal information including an IA terminal identifier for identifying a number or mark of a manufacturer of the IA terminal, service information including the kind of service to be received, and user registration information including user information concerning the user who receives the service to and from the IA terminal user management device which manages the IA terminal via a network, said IA terminal information representing registration information required for an Internet connection," as recited in independent claim 13.

The Examiner asserts further in section 4(D), at page 17 of the final Office Action that:

> Nobakht further discloses the server 110 transmits a request for user and terminal information and in return receives user identification information and terminal identification information and registration information including user/terminal information are collected and stored in the database for authorization process [see Figs. 1-4 & 7 and Col. 6, Line 37 to Col. 7, Line 36 and Col. 8, Line 1 to Col. 9, Line 50 and Col. 10, Lines 10-26 and Col. 12, Lines 45-53].

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This is submitted to be incorrect. Network database 416 stores user and terminal information used to identify and authorize users that request service, not a "transmission and receiving unit transmitting and receiving IA terminal information," as recited in independent claim 13. In particular, as described at column 8, lines 32-38:

> Network database 416 stores user and terminal information used to identify and authorize users that request service. In addition, network database 416 may store optional user home page information that allows each user convenient and secure access to e-mail, chat, and other Internet applications currently available to conventional network users.

Since the network database 416 in Nobakht stores user and terminal information used to identify and authorize users that request service, Nobakht has no "function which transmits and receives IA terminal information including an IA terminal identifier for identifying a number or mark of a manufacturer of the IA terminal, service information including the kind of service to be received, and user registration information including user information concerning the user who receives the service to and from the IA terminal user management device which manages the IA terminal via a network, said IA terminal information representing registration information required for an Internet connection," as recited in independent claim 13.

Network database 416, moreover, stores customer/user information (i.e., user name/PIN), "home" user terminal serial number, and user status information, not "an IA terminal identifier for identifying a number or mark of a manufacturer of the IA terminal, service information including the kind of service to be received, and user registration information including user information concerning the user who receives the service to and from the IA terminal user management device which manages the IA terminal via the network, said IA terminal information representing registration information required for an Internet connection," as recited in independent claim 13. In particular, as described at column 9, lines 16-19:

> Network database 416 is primarily used to store customer/user information (i.e., user name/PIN), "home" user terminal serial number, and user status information.

Since the network database 416 in Nobakht stores customer/user information (i.e., user name/PIN), "home" user terminal serial number, and user status information, Nobakht has no "function which transmits and receives IA terminal information including an IA terminal identifier for identifying a number or mark of a manufacturer of the IA terminal, service information including the kind of service to be received, and user registration information including user information concerning the user who receives the service to and from the IA terminal user

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management device which manages the IA terminal via a network, said IA terminal information representing registration information required for an Internet connection," as recited in independent claim 13.

The "home" user terminal information, moreover, is used to determine whether a particular user has accessed the network from the user terminal storing the particular user's personal channel table, or whether the particular user is a "guest" on another user terminal, not "for identifying a number or mark of a manufacturer of the IA terminal, service information including the kind of service to be received, and user registration information including user information concerning the user who receives the service to and from the IA terminal user management device which manages the IA terminal via the network, said IA terminal information representing registration information required for an Internet connection," as recited in independent claim 13. In particular, as described at column 9, lines 19-24:

> As indicated in greater detail below, the "home" user terminal information is used to determine whether a particular user has accessed the network from the user terminal storing the particular user's personal channel table, or whether the particular user is a "guest" on another user terminal (e.g., provided at a hotel).

Since the "home" user terminal information is used to determine whether a particular user has accessed the network from the user terminal storing the particular user's personal channel table, or whether the particular user is a "guest" on another user terminal, Nobakht has no "function which transmits and receives IA terminal information including an IA terminal identifier for identifying a number or mark of a manufacturer of the IA terminal, service information including the kind of service to be received, and user registration information including user information concerning the user who receives the service to and from the IA terminal user management device which manages the IA terminal via a network, said IA terminal information representing registration information required for an Internet connection," as recited in independent claim 13.

User status information, finally, is used to determine whether a user is currently authorized to access the network, not "for identifying a number or mark of a manufacturer of the IA terminal, service information including the kind of service to be received, and user registration information including user information concerning the user who receives the service to and from the IA terminal user management device which manages the IA terminal via the network, said IA terminal information representing registration information required for an Internet connection," as recited in independent claim 13. In particular, as described at column 9, lines 24-28:

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User status information is used to determine whether a user is currently authorized to access the network. For example, user "DAN DELAY" is indicated as having an expired account due, for example, to late payment of user fees or misconduct.

Since the user status information is used to determine whether a user is currently authorized to access the network, Nobakht has no "function which transmits and receives IA terminal information including an IA terminal identifier for identifying a number or mark of a manufacturer of the IA terminal, service information including the kind of service to be received, and user registration information including user information concerning the user who receives the service to and from the IA terminal user management device which manages the IA terminal via a network, said IA terminal information representing registration information required for an Internet connection," as recited in independent claim 13.

The Examiner asserts further in section 4(D), at page 17 of the final Office Action that:

Also, Nobakht discloses that the network database 416 stores the user/terminal information (such as user name/PIN, user terminal serial number, user status information, etc.) used to identify and authorize users that request service. In addition, network database 416 may store optional user home page information that allows each user convenient and secure access to e-mail, chat, and other Internet applications currently available to conventional network users. The channel table database 414 stores one or more master channel tables (including channel number, site name, site address, etc.) that refers to the kind of service to be received by the client [see Figs. 1-2 & 4 & 7 and Col. 8, Line 1 to Col. 9, Line 50 and Col. 10, Lines 10-26 and Col. 12, Lines 45-53].

This is submitted to be incorrect. Network database 416 stores user and terminal information used to identify and authorize users that request service, not "IA terminal information including an IA terminal identifier for identifying a number or mark of a manufacturer of the IA terminal, service information including the kind of service to be received, user registration information including user information concerning the user who receives the service, said IA terminal information representing registration information required for an Internet connection," as recited in independent claim 13.

In Nobakht, moreover, the input terminal 401 is used to enter channel table data and user/terminal information into channel table database 414 and network database 416, not the remote control 202 and wireless keyboard 203 or smart card 232, let alone a "transmission and receiving unit transmitting and receiving IA terminal information," as recited in independent claim 13. In particular, as described at column 8, lines 22-25:

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> Input terminal 401 is used to enter channel table data and user/terminal information into channel table database 414 and network database 416, respectively, using known data processing techniques.

Since, in Nobakht, the input terminal 401 is used to enter channel table data and user/terminal information into channel table database 414 and network database 416, Nobakht has no "function which transmits and receives IA terminal information including an IA terminal identifier for identifying a number or mark of a manufacturer of the IA terminal, service information including the kind of service to be received, and user registration information including user information concerning the user who receives the service to and from the IA terminal user management device which manages the IA terminal via a network, said IA terminal information representing registration information required for an Internet connection," as recited in independent claim 13.

Second: Independent claim 13 is not anticipated by Nobakht because Nobakht fails to disclose all of the features of independent claim 13. Nobakht, for example, discloses no "IA terminal user management device judges whether or not the user registration information for the device has been written to the user storing unit of the IA terminal before connecting the IA terminal to the IA terminal user management device," as recited in independent claim 13.

The Examiner asserts further in section 4(D), at the bottom of page 17, continuing at the top of page 18 of the final Office Action that:

> Moreover, Nobakht further teaches the server 110 automatically performs several network operation functions that maintain and update channel-based network including user terminal authorization, download control, update control, version check before connecting the IA terminal to the IA terminal user management device [see Figs. 4 & 7 and Col. 8, Lines 1-40 and Col. 10, Lines 10-26 and Col. 12, Line 43 to Col. 13, Line 52].

Neither user terminal authorization, download control, update control, nor version check before connecting the IA terminal to the IA terminal user management device, however, amount to an "IA terminal user management device judges whether or not the user registration information for the device has been written to the user storing unit of the IA terminal before connecting the IA terminal to the IA terminal user management device," as recited in independent claim 13.

Accordingly, because Nobakht fails to disclose all of the features of independent claim 13, the Examiner has failed to set forth a prima facie case of anticipation of independent claim

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13 by Nobakht. Appellant, therefore, requests respectfully that the rejection of independent claim 13 be withdrawn.

E. Independent Claim 15:

Independent claim 15 is not anticipated by Nobakht because Nobakht fails to disclose all of the features of independent claim 15. Nobakht, for example, discloses no "Internet appliance user management device . . . comprising . . transmission and receiving means for user management device transmitting and receiving the user registration information to and from the IA terminal, and requests the IA terminal to input the user registration information," as recited in independent claim 15. In Nobakht, rather, the data is processed on the terminal side, not the device side. In particular, as described at column 1, lines 66 and 67, continuing at column 2, lines 1-4:

> When a channel number is entered, the user terminal retrieves the associated
> Internet address (e.g., URL) from the downloaded channel table, and connects
> the terminal to the selected Internet site.

Since, in Nobakht, the user terminal retrieves the associated Internet address (e.g., URL) from the downloaded channel table and connects the terminal to the selected Internet site when a channel number is entered, the data is processed on the terminal side in Nobakht, rather than the device side, and Nobakht has no "Internet appliance user management device . . . comprising . . transmission and receiving means for user management device transmitting and receiving the user registration information to and from the IA terminal, and requests the IA terminal to input the user registration information," as recited in independent claim 15.

Each user terminal 130-A through 130-D in Nobakht, moreover, includes circuitry for connecting the user terminal to a selected Internet site 120-1 through 120-4. In particular, as described at column 3, lines 43-50:

> Each user terminal 130-A through 130-D includes circuitry for downloading and
> storing channel table data downloaded from server 110, displaying the channel
> numbers and Internet site names from the downloaded channel table data,
> allowing a user to enter selected channel numbers, and connecting the user
> terminal to a selected Internet site 120-1 through 120-4 that is associated with the
> selected channel number.

Since user terminal 130-A through 130-D in Nobakht includes circuitry for connecting the user terminal to a selected Internet site 120-1 through 120-4, the data is processed on the terminal side in Nobakht, rather than the device side, and Nobakht has no "Internet appliance user management device . . . comprising . . transmission and receiving means for user management

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device transmitting and receiving the user registration information to and from the IA terminal, and requests the IA terminal to input the user registration information," as recited in independent claim 15.

The CPU of set-top box 131 in Nobakht, moreover, connects user terminal 130-A to a selected Internet site. In particular, as described at column 4, lines 9-16:

> In response to instructions stored in set-top box 131, the CPU of set-top box 131 connects user terminal 130-A to a selected Internet site (e.g., site 120-1) by receiving a selected channel number (e.g., "010") entered by a user through input device 133, reading the Internet address (e.g., "www.XYZN.com") associated with the selected channel number from the channel table memory, and transmitting the associated Internet address onto the Internet using the communication circuitry.

Since CPU of set-top box 131 in Nobakht connects user terminal 130-A to a selected Internet site, the data is processed on the terminal side in Nobakht, rather than the device side, and Nobakht has no "Internet appliance user management device . . . comprising . . transmission and receiving means for user management device transmitting and receiving the user registration information to and from the IA terminal, and requests the IA terminal to input the user registration information," as recited in independent claim 15.

The goal of Nobakht, in fact, is an Internet access system that is significantly less expensive than personal computers, and is as easy to use as a television. In particular, as described at column 1, lines 52, 53, and 54:

> What is needed is an Internet access system that is significantly less expensive than personal computers, and is as easy to use as a television.

Interpreting Nobakht to describe an "Internet appliance (IA) terminal user management device . . . comprising: an IA terminal user storing unit storing IA terminal information including an IA terminal identifier for identifying a number or mark of a manufacturer of the IA terminal, service information including the kind of service to be received, and user registration information including user information concerning the user who receives the service, said IA terminal information representing registration information required for an Internet connection," as recited in independent claim 15, on the other hand, would be inconsistent with the goal of Nobakht. Thus, the Examiner's interpretation of Nobakht is without basis.

The Examiner asserts in section 4(E), at the bottom of page 15 of the final Office Action that:

> Nobakht discloses that the server 110 transmits a request for user and terminal

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information and in return receives user identification information and terminal identification information and registration information including user/terminal information are collected and stored in the database for authorization process [see Figs. 1-4 & 7 and Col. 6, Line 45 to Col. 7, Line 36 and Col. 8, Lines 1-41 and Col. 12, Lines 45-53].

This is submitted to be incorrect. Network database 416 stores user and terminal information used to identify and authorize users that request service, not an "IA terminal information including an IA terminal identifier for identifying a number or mark of a manufacturer of the IA terminal, service information including the kind of service to be received, user registration information including user information concerning the user who receives the service, said IA terminal information representing registration information required for an Internet connection," as recited in independent claim 15. In particular, as described at column 8, lines 32-38:

> Network database 416 stores user and terminal information used to identify and authorize users that request service. In addition, network database 416 may store optional user home page information that allows each user convenient and secure access to e-mail, chat, and other Internet applications currently available to conventional network users.

Since the network database 416 in Nobakht stores user and terminal information used to identify and authorize users that request service, Nobakht has no "Internet appliance user management device . . . comprising . . transmission and receiving means for user management device transmitting and receiving the user registration information to and from the IA terminal, and requests the IA terminal to input the user registration information," as recited in independent claim 15.

Network database 416, moreover, stores customer/user information (i.e., user name/PIN), "home" user terminal serial number, and user status information, not "an IA terminal identifier for identifying a number or mark of a manufacturer of the IA terminal, service information including the kind of service to be received, and user registration information including user information concerning the user who receives the service, said IA terminal information representing registration information required for an Internet connection," as recited in independent claim 15. In particular, as described at column 9, lines 16-19:

> Network database 416 is primarily used to store customer/user information (i.e., user name/PIN), "home" user terminal serial number, and user status information.

Since the network database 416 in Nobakht stores customer/user information (i.e., user

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name/PIN), "home" user terminal serial number, and user status information, Nobakht has no

"Internet appliance user management device . . . comprising . . transmission and receiving

means for user management device transmitting and receiving the user registration information

to and from the IA terminal, and requests the IA terminal to input the user registration

information," as recited in independent claim 15.

The "home" user terminal information, moreover, is used to determine whether a

particular user has accessed the network from the user terminal storing the particular user's

personal channel table, or whether the particular user is a "guest" on another user terminal, not

"for identifying a number or mark of a manufacturer of the IA terminal, service information

including the kind of service to be received, and user registration information including user

information concerning the user who receives the service, said IA terminal information

representing registration information required for an Internet connection," as recited in

independent claim 15. In particular, as described at column 9, lines 19-24:

> As indicated in greater detail below, the "home" user terminal information is used
> to determine whether a particular user has accessed the network from the user
> terminal storing the particular user's personal channel table, or whether the
> particular user is a "guest" on another user terminal (e.g., provided at a hotel).

Since the "home" user terminal information is used to determine whether a particular

user has accessed the network from the user terminal storing the particular user's personal

channel table, or whether the particular user is a "guest" on another user terminal, Nobakht has

no "Internet appliance user management device . . . comprising . . transmission and receiving

means for user management device transmitting and receiving the user registration information

to and from the IA terminal, and requests the IA terminal to input the user registration

information," as recited in independent claim 15.

User status information, finally, is used to determine whether a user is currently

authorized to access the network, not "for identifying a number or mark of a manufacturer of the

IA terminal, service information including the kind of service to be received, and user registration

information including user information concerning the user who receives the service, said IA

terminal information representing registration information required for an Internet connection," as

recited in independent claim 15. In particular, as described at column 9, lines 24-28:

> User status information is used to determine whether a user is currently
> authorized to access the network. For example, user "DAN DELAY" is indicated
> as having an expired account due, for example, to late payment of user fees or
> misconduct.

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Since the user status information is used to determine whether a user is currently authorized to access the network, Nobakht has no "Internet appliance user management device . . . comprising . . transmission and receiving means for user management device transmitting and receiving the user registration information to and from the IA terminal, and requests the IA terminal to input the user registration information," as recited in independent claim 15.

In Nobakht, moreover, the input terminal 401 is used to enter channel table data and user/terminal information into channel table database 414 and network database 416, not the remote control 202 and wireless keyboard 203 or smart card 232, let alone a "transmission and receiving unit transmitting and receiving IA terminal information," as recited in independent claim 15. In particular, as described at column 8, lines 22-25:

> Input terminal 401 is used to enter channel table data and user/terminal
> information into channel table database 414 and network database 416,
> respectively, using known data processing techniques.

Since, in Nobakht, the input terminal 401 is used to enter channel table data and user/terminal information into channel table database 414 and network database 416, Nobakht has no "Internet appliance user management device . . . comprising . . transmission and receiving means for user management device transmitting and receiving the user registration information to and from the IA terminal, and requests the IA terminal to input the user registration information," as recited in independent claim 15.

Accordingly, because Nobakht fails to disclose all of the features of independent claim 15, the Examiner has failed to set forth a prima facie case of anticipation of independent claim 15 by Nobakht. Appellant, therefore, requests respectfully that the rejection of independent claim 15 be withdrawn.

F.   Independent Claim 16:

First: Independent claim 16 is not anticipated by Nobakht because Nobakht fails to disclose all of the features of independent claim 16. Nobakht, for example, discloses no "IA terminal which performs information communication with an IA terminal user management device for managing the IA terminal via a network, comprising: transmission and receiving means for transmitting and receiving IA terminal information including an IA terminal identifier for identifying a number or mark of a manufacturer of the IA terminal, service information including the kind of service to be received, user registration information including user information concerning the user who receives the service to and from the IA terminal user management

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device which manages the IA terminal via the network, said IA terminal information representing registration information required for an Internet connection," as recited in independent claim 16. In Nobakht, rather, the data is processed on the terminal side, not the device side. In particular, as described at column 1, lines 66 and 67, continuing at column 2, lines 1-4:

> When a channel number is entered, the user terminal retrieves the associated Internet address (e.g., URL) from the downloaded channel table, and connects the terminal to the selected Internet site.

Since, in Nobakht, the user terminal retrieves the associated Internet address (e.g., URL) from the downloaded channel table and connects the terminal to the selected Internet site when a channel number is entered, the data is processed on the terminal side in Nobakht, rather than the device side, and Nobakht has no "IA terminal which performs information communication with an IA terminal user management device for managing the IA terminal via a network, comprising: transmission and receiving means for transmitting and receiving IA terminal information including an IA terminal identifier for identifying a number or mark of a manufacturer of the IA terminal, service information including the kind of service to be received, user registration information including user information concerning the user who receives the service to and from the IA terminal user management device which manages the IA terminal via the network, said IA terminal information representing registration information required for an Internet connection," as recited in independent claim 16.

Each user terminal 130-A through 130-D in Nobakht, moreover, includes circuitry for connecting the user terminal to a selected Internet site 120-1 through 120-4. In particular, as described at column 3, lines 43-50:

> Each user terminal 130-A through 130-D includes circuitry for downloading and storing channel table data downloaded from server 110, displaying the channel numbers and Internet site names from the downloaded channel table data, allowing a user to enter selected channel numbers, and connecting the user terminal to a selected Internet site 120-1 through 120-4 that is associated with the selected channel number.

Since user terminal 130-A through 130-D in Nobakht includes circuitry for connecting the user terminal to a selected Internet site 120-1 through 120-4, the data is processed on the terminal side in Nobakht, rather than the device side, and Nobakht has no "IA terminal which performs information communication with an IA terminal user management device for managing the IA terminal via a network, comprising: transmission and receiving means for transmitting and receiving IA terminal information including an IA terminal identifier for identifying a number or

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mark of a manufacturer of the IA terminal, service information including the kind of service to be received, user registration information including user information concerning the user who receives the service to and from the IA terminal user management device which manages the IA terminal via the network, said IA terminal information representing registration information required for an Internet connection," as recited in independent claim 16.

The CPU of set-top box 131 in Nobakht, moreover, connects user terminal 130-A to a selected Internet site. In particular, as described at column 4, lines 9-16:

> In response to instructions stored in set-top box 131, the CPU of set-top box 131 connects user terminal 130-A to a selected Internet site (e.g., site 120-1) by receiving a selected channel number (e.g., "010") entered by a user through input device 133, reading the Internet address (e.g., "www.XYZN.com") associated with the selected channel number from the channel table memory, and transmitting the associated Internet address onto the Internet using the communication circuitry.

Since CPU of set-top box 131 in Nobakht connects user terminal 130-A to a selected Internet site, the data is processed on the terminal side in Nobakht, rather than the device side, and Nobakht has no "IA terminal which performs information communication with an IA terminal user management device for managing the IA terminal via a network, comprising: transmission and receiving means for transmitting and receiving IA terminal information including an IA terminal identifier for identifying a number or mark of a manufacturer of the IA terminal, service information including the kind of service to be received, user registration information including user information concerning the user who receives the service to and from the IA terminal user management device which manages the IA terminal via the network, said IA terminal information representing registration information required for an Internet connection," as recited in independent claim 16.

The goal of Nobakht, in fact, is an Internet access system that is significantly less expensive than personal computers, and is as easy to use as a television. In particular, as described at column 1, lines 52, 53, and 54:

> What is needed is an Internet access system that is significantly less expensive than personal computers, and is as easy to use as a television.

Interpreting Nobakht to describe an "Internet appliance (IA) terminal user management device . . . comprising: an IA terminal user storing unit storing IA terminal information including an IA terminal identifier for identifying a number or mark of a manufacturer of the IA terminal, service information including the kind of service to be received, and user registration information

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including user information concerning the user who receives the service, said IA terminal

information representing registration information required for an Internet connection," as recited

in independent claim 16, on the other hand, would be inconsistent with the goal of Nobakht.

Thus, the Examiner's interpretation of Nobakht is without basis.

The Examiner asserts in section 4(F), at the bottom of page 19, continuing at the top of

page 20 of the final Office Action that:

> Again, the examiner respectfully disagrees. Nobakht discloses input devices such
> as remote control 202 and wireless keyboard 203 or smart card 232 for entering
> and transmitting user/terminal information such as user name/PIN, user terminal
> serial number, user status information, etc. and set-top box 131 for receiving
> user/terminal information and controlling access to Internet sites/channels
> services.

Input devices such as remote control 202 and wireless keyboard 203 or smart card 232

for entering and transmitting user/terminal information, however, does not require, let alone

amount to an "IA terminal which performs information communication with an IA terminal user

management device for managing the IA terminal via a network, comprising: transmission and

receiving means for transmitting and receiving IA terminal information including an IA terminal

identifier for identifying a number or mark of a manufacturer of the IA terminal, service

information including the kind of service to be received, user registration information including

user information concerning the user who receives the service to and from the IA terminal user

management device which manages the IA terminal via the network, said IA terminal information

representing registration information required for an Internet connection," as recited in

independent claim 16.

In Nobakht, moreover, the input terminal 401 is used to enter channel table data and

user/terminal information into channel table database 414 and network database 416, not the

remote control 202 and wireless keyboard 203 or smart card 232, let alone a "transmission and

receiving unit transmitting and receiving IA terminal information," as recited in independent claim

16. In particular, as described at column 8, lines 22-25:

> Input terminal 401 is used to enter channel table data and user/terminal
> information into channel table database 414 and network database 416,
> respectively, using known data processing techniques.

Since, in Nobakht, the input terminal 401 is used to enter channel table data and user/terminal

information into channel table database 414 and network database 416, Nobakht has no "IA

terminal which performs information communication with an IA terminal user management

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device for managing the IA terminal via a network, comprising: transmission and receiving means for transmitting and receiving IA terminal information including an IA terminal identifier for identifying a number or mark of a manufacturer of the IA terminal, service information including the kind of service to be received, user registration information including user information concerning the user who receives the service to and from the IA terminal user management device which manages the IA terminal via the network, said IA terminal information representing registration information required for an Internet connection," as recited in independent claim 16.

The Examiner asserts further in section 4(F), at page 20 of the final Office Action that:

> Nobakht further discloses the server 110 transmits a request for user and terminal information and in return receives user identification information and terminal identification information and registration information including user/terminal information are collected and stored in the database for authorization process [see Figs. 1-4 & 7 and Col. 6, Line 37 to Col. 7, Line 36 and Col. 8, Line 1 to Col. 9, Line 50 and Col. 10, Lines 10-26 and Col. 12, Lines 45-53].

This is submitted to be incorrect. Network database 416 stores user and terminal information used to identify and authorize users that request service, not a "transmission and receiving unit transmitting and receiving IA terminal information," as recited in independent claim 16. In particular, as described at column 8, lines 32-38:

> Network database 416 stores user and terminal information used to identify and authorize users that request service. In addition, network database 416 may store optional user home page information that allows each user convenient and secure access to e-mail, chat, and other Internet applications currently available to conventional network users.

Since the network database 416 in Nobakht stores user and terminal information used to identify and authorize users that request service, Nobakht has no "IA terminal which performs information communication with an IA terminal user management device for managing the IA terminal via a network, comprising: transmission and receiving means for transmitting and receiving IA terminal information including an IA terminal identifier for identifying a number or mark of a manufacturer of the IA terminal, service information including the kind of service to be received, user registration information including user information concerning the user who receives the service to and from the IA terminal user management device which manages the IA terminal via the network, said IA terminal information representing registration information required for an Internet connection," as recited in independent claim 16.

Network database 416, moreover, stores customer/user information (i.e., user

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name/PIN), "home" user terminal serial number, and user status information, not "an IA terminal identifier for identifying a number or mark of a manufacturer of the IA terminal, service information including the kind of service to be received, and user registration information including user information concerning the user who receives the service to and from the IA terminal user management device which manages the IA terminal via the network, said IA terminal information representing registration information required for an Internet connection," as recited in independent claim 16. In particular, as described at column 9, lines 16-19:

> Network database 416 is primarily used to store customer/user information (i.e., user name/PIN), "home" user terminal serial number, and user status information.

Since the network database 416 in Nobakht stores customer/user information (i.e., user name/PIN), "home" user terminal serial number, and user status information, Nobakht has no "IA terminal which performs information communication with an IA terminal user management device for managing the IA terminal via a network, comprising: transmission and receiving means for transmitting and receiving IA terminal information including an IA terminal identifier for identifying a number or mark of a manufacturer of the IA terminal, service information including the kind of service to be received, user registration information including user information concerning the user who receives the service to and from the IA terminal user management device which manages the IA terminal via the network, said IA terminal information representing registration information required for an Internet connection," as recited in independent claim 16.

The "home" user terminal information, moreover, is used to determine whether a particular user has accessed the network from the user terminal storing the particular user's personal channel table, or whether the particular user is a "guest" on another user terminal, not "for identifying a number or mark of a manufacturer of the IA terminal, service information including the kind of service to be received, and user registration information including user information concerning the user who receives the service to and from the IA terminal user management device which manages the IA terminal via the network, said IA terminal information representing registration information required for an Internet connection," as recited in independent claim 16. In particular, as described at column 9, lines 19-24:

> As indicated in greater detail below, the "home" user terminal information is used to determine whether a particular user has accessed the network from the user terminal storing the particular user's personal channel table, or whether the particular user is a "guest" on another user terminal (e.g., provided at a hotel).

Since the "home" user terminal information is used to determine whether a particular

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user has accessed the network from the user terminal storing the particular user's personal channel table, or whether the particular user is a "guest" on another user terminal, Nobakht has no "IA terminal which performs information communication with an IA terminal user management device for managing the IA terminal via a network, comprising: transmission and receiving means for transmitting and receiving IA terminal information including an IA terminal identifier for identifying a number or mark of a manufacturer of the IA terminal, service information including the kind of service to be received, user registration information including user information concerning the user who receives the service to and from the IA terminal user management device which manages the IA terminal via the network, said IA terminal information representing registration information required for an Internet connection," as recited in independent claim 16.

User status information, finally, is used to determine whether a user is currently authorized to access the network, not "for identifying a number or mark of a manufacturer of the IA terminal, service information including the kind of service to be received, and user registration information including user information concerning the user who receives the service to and from the IA terminal user management device which manages the IA terminal via the network, said IA terminal information representing registration information required for an Internet connection," as recited in independent claim 16. In particular, as described at column 9, lines 24-28:

> User status information is used to determine whether a user is currently authorized to access the network. For example, user "DAN DELAY" is indicated as having an expired account due, for example, to late payment of user fees or misconduct.

Since the user status information is used to determine whether a user is currently authorized to access the network, Nobakht has no "IA terminal which performs information communication with an IA terminal user management device for managing the IA terminal via a network, comprising: transmission and receiving means for transmitting and receiving IA terminal information including an IA terminal identifier for identifying a number or mark of a manufacturer of the IA terminal, service information including the kind of service to be received, user registration information including user information concerning the user who receives the service to and from the IA terminal user management device which manages the IA terminal via the network, said IA terminal information representing registration information required for an Internet connection," as recited in independent claim 16.

The Examiner asserts further in section 4(F), at page 20 of the final Office Action that:

> Also, Nobakht discloses that the network database 416 stores the user/terminal

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information (such as user name/PIN, user terminal serial number, user status
information, etc.) used to identify and authorize users that request service. In
addition, network database 416 may store optional user home page information
that allows each user convenient and secure access to e-mail, chat, and other
Internet applications currently available to conventional network users. The
channel table database 414 stores one or more master channel tables (including
channel number, site name, site address, etc.) that refers to the kind of service to
be received by the client [see Figs. 1-2 & 4 & 7 and Col. 8, Line 1 to Col. 9, Line
50 and Col. 10, Lines 10-26 and Col. 12, Lines 45-53].

This is submitted to be incorrect. Network database 416 stores user and terminal
information used to identify and authorize users that request service, not an "IA terminal which
performs information communication with an IA terminal user management device for managing
the IA terminal via a network, comprising: transmission and receiving means for transmitting and
receiving IA terminal information including an IA terminal identifier for identifying a number or
mark of a manufacturer of the IA terminal, service information including the kind of service to be
received, user registration information including user information concerning the user who
receives the service to and from the IA terminal user management device which manages the IA
terminal via the network, said IA terminal information representing registration information
required for an Internet connection," as recited in independent claim 16.

In Nobakht, moreover, the input terminal 401 is used to enter channel table data and
user/terminal information into channel table database 414 and network database 416, not the
remote control 202 and wireless keyboard 203 or smart card 232, let alone a "transmission and
receiving unit transmitting and receiving IA terminal information," as recited in independent claim
16. In particular, as described at column 8, lines 22-25:

Input terminal 401 is used to enter channel table data and user/terminal
information into channel table database 414 and network database 416,
respectively, using known data processing techniques.

Since, in Nobakht, the input terminal 401 is used to enter channel table data and user/terminal
information into channel table database 414 and network database 416, Nobakht has n no "IA
terminal which performs information communication with an IA terminal user management
device for managing the IA terminal via a network, comprising: transmission and receiving
means for transmitting and receiving IA terminal information including an IA terminal identifier for
identifying a number or mark of a manufacturer of the IA terminal, service information including
the kind of service to be received, user registration information including user information
concerning the user who receives the service to and from the IA terminal user management

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device which manages the IA terminal via the network, said IA terminal information representing registration information required for an Internet connection," as recited in independent claim 16.

Second: Independent claim 16 is not anticipated by Nobakht because Nobakht fails to disclose all of the features of independent claim 16. Nobakht, for example, discloses no "IA terminal user management device judges whether or not the user registration information for the device has been written to the user storing unit of the IA terminal before connecting the IA terminal to the IA terminal user management device," as recited in claim 16.

The Examiner asserts further in section 4(F), at the bottom of page 20, continuing at the top of page 21 of the final Office Action that:

> Moreover, Nobakht further teaches the server 110 automatically performs several network operation functions that maintain and update channel-based network including user terminal authorization, download control, update control, version check before connecting the IA terminal to the IA terminal user management device [see Figs. 4 & 7 and Col. 8, Lines 1-40 and Col. 10, Lines 10-26 and Col. 12, Line 43 to Col. 13, Line 52].

Neither user terminal authorization, download control, update control, nor version check before connecting the IA terminal to the IA terminal user management device, however, amount to an "IA terminal user management device judges whether or not the user registration information for the device has been written to the user storing unit of the IA terminal before connecting the IA terminal to the IA terminal user management device," as recited in claim 16.

Accordingly, because Nobakht fails to disclose all of the features of independent claim 16, the Examiner has failed to set forth a prima facie case of anticipation of independent claim 16 by Nobakht. Appellant, therefore, requests respectfully that the rejection of independent claim 16 be withdrawn.

C.   Independent Claim 17:

Independent claim 17 is not anticipated by Nobakht because Nobakht fails to disclose all of the features of independent claim 17. Nobakht, for example, discloses no "Internet appliance (IA) terminal user management device which is connected to an IA terminal via a network, comprising . . . a transmission and receiving unit user management device, transmitting and receiving the user registration information to and from the IA terminal, and requests the IA terminal to input the user registration information," as recited in independent claim 17. In Nobakht, rather, the data is processed on the terminal side, not the device side. In particular, as described at column 1, lines 66 and 67, continuing at column 2, lines 1-4:

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> When a channel number is entered, the user terminal retrieves the associated
> Internet address (e.g., URL) from the downloaded channel table, and connects
> the terminal to the selected Internet site.

Since, in Nobakht, the user terminal retrieves the associated Internet address (e.g., URL) from the downloaded channel table and connects the terminal to the selected Internet site when a channel number is entered, the data is processed on the terminal side in Nobakht, rather than the device side, and Nobakht has no "Internet appliance (IA) terminal user management device which is connected to an IA terminal via a network, comprising . . . a transmission and receiving unit user management device, transmitting and receiving the user registration information to and from the IA terminal, and requests the IA terminal to input the user registration information," as recited in independent claim 17.

Each user terminal 130-A through 130-D in Nobakht, moreover, includes circuitry for connecting the user terminal to a selected Internet site 120-1 through 120-4. In particular, as described at column 3, lines 43-50:

> Each user terminal 130-A through 130-D includes circuitry for downloading and
> storing channel table data downloaded from server 110, displaying the channel
> numbers and Internet site names from the downloaded channel table data,
> allowing a user to enter selected channel numbers, and connecting the user
> terminal to a selected Internet site 120-1 through 120-4 that is associated with the
> selected channel number.

Since user terminal 130-A through 130-D in Nobakht includes circuitry for connecting the user terminal to a selected Internet site 120-1 through 120-4, the data is processed on the terminal side in Nobakht, rather than the device side, and Nobakht has no "Internet appliance (IA) terminal user management device which is connected to an IA terminal via a network, comprising . . . a transmission and receiving unit user management device, transmitting and receiving the user registration information to and from the IA terminal, and requests the IA terminal to input the user registration information," as recited in independent claim 17.

The CPU of set-top box 131 in Nobakht, moreover, connects user terminal 130-A to a selected Internet site. In particular, as described at column 4, lines 9-16:

> In response to instructions stored in set-top box 131, the CPU of set-top box 131
> connects user terminal 130-A to a selected Internet site (e.g., site 120-1) by
> receiving a selected channel number (e.g., "010") entered by a user through input
> device 133, reading the Internet address (e.g., "www.XYZN.com") associated with
> the selected channel number from the channel table memory, and transmitting the
> associated Internet address onto the Internet using the communication circuitry.

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Since CPU of set-top box 131 in Nobakht connects user terminal 130-A to a selected Internet site, the data is processed on the terminal side in Nobakht, rather than the device side, and Nobakht has no "Internet appliance (IA) terminal user management device which is connected to an IA terminal via a network, comprising . . . a transmission and receiving unit user management device, transmitting and receiving the user registration information to and from the IA terminal, and requests the IA terminal to input the user registration information," as recited in independent claim 17.

The goal of Nobakht, in fact, is an Internet access system that is significantly less expensive than personal computers, and is as easy to use as a television. In particular, as described at column 1, lines 52, 53, and 54:

> What is needed is an Internet access system that is significantly less expensive
> than personal computers, and is as easy to use as a television.

Interpreting Nobakht to describe an "Internet appliance (IA) terminal user management device which is connected to an IA terminal via a network, comprising . . . a transmission and receiving unit user management device, transmitting and receiving the user registration information to and from the IA terminal, and requests the IA terminal to input the user registration information," as recited in independent claim 17, on the other hand, would be inconsistent with the goal of Nobakht. Thus, the Examiner's interpretation of Nobakht is without basis.

The Examiner asserts in section 4(G), at the bottom of page 15 of the final Office Action that:

> Nobakht discloses that the server 110 transmits a request for user and terminal
> information and in return receives user identification information and terminal
> identification information and registration information including user/terminal
> information are collected and stored in the database for authorization process
> [see Figs. 1-4 & 7 and Col. 6, Line 45 to Col. 7, Line 36 and Col. 8, Lines 1-41
> and Col. 12, Lines 45-53].

This is submitted to be incorrect. Network database 416 stores user and terminal information used to identify and authorize users that request service, not an "Internet appliance (IA) terminal user management device which is connected to an IA terminal via a network, comprising . . . a transmission and receiving unit user management device, transmitting and receiving the user registration information to and from the IA terminal, and requests the IA terminal to input the user registration information," as recited in independent claim 17. In particular, as described at column 8, lines 32-38:

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> Network database 416 stores user and terminal information used to identify and
> authorize users that request service. In addition, network database 416 may store
> optional user home page information that allows each user convenient and
> secure access to e-mail, chat, and other Internet applications currently available
> to conventional network users.

Since the network database 416 in Nobakht stores user and terminal information used to
identify and authorize users that request service, Nobakht has no "Internet appliance (IA)
terminal user management device which is connected to an IA terminal via a network,
comprising . . . a transmission and receiving unit user management device, transmitting and
receiving the user registration information to and from the IA terminal, and requests the IA
terminal to input the user registration information," as recited in independent claim 17.

Network database 416, moreover, stores customer/user information (i.e., user
name/PIN), "home" user terminal serial number, and user status information, not an "Internet
appliance (IA) terminal user management device which is connected to an IA terminal via a
network, comprising . . . a transmission and receiving unit user management device, transmitting
and receiving the user registration information to and from the IA terminal, and requests the IA
terminal to input the user registration information," as recited in independent claim 17. In
particular, as described at column 9, lines 16-19:

> Network database 416 is primarily used to store customer/user information (i.e.,
> user name/PIN), "home" user terminal serial number, and user status information.

Since the network database 416 in Nobakht stores customer/user information (i.e., user
name/PIN), "home" user terminal serial number, and user status information, Nobakht has no
"Internet appliance (IA) terminal user management device which is connected to an IA terminal
via a network, comprising . . . a transmission and receiving unit user management device,
transmitting and receiving the user registration information to and from the IA terminal, and
requests the IA terminal to input the user registration information," as recited in independent
claim 17.

The "home" user terminal information, moreover, is used to determine whether a
particular user has accessed the network from the user terminal storing the particular user's
personal channel table, or whether the particular user is a "guest" on another user terminal, not
"for identifying a number or mark of a manufacturer of the IA terminal, service information
including the kind of service to be received, and user registration information including user
information concerning the user who receives the service, said IA terminal information

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representing registration information required for an Internet connection," as recited in independent claim 17. In particular, as described at column 9, lines 19-24:

> As indicated in greater detail below, the "home" user terminal information is used to determine whether a particular user has accessed the network from the user terminal storing the particular user's personal channel table, or whether the particular user is a "guest" on another user terminal (e.g., provided at a hotel).

Since the "home" user terminal information is used to determine whether a particular user has accessed the network from the user terminal storing the particular user's personal channel table, or whether the particular user is a "guest" on another user terminal, Nobakht has no "Internet appliance (IA) terminal user management device which is connected to an IA terminal via a network, comprising . . . a transmission and receiving unit user management device, transmitting and receiving the user registration information to and from the IA terminal, and requests the IA terminal to input the user registration information," as recited in independent claim 17.

User status information, finally, is used to determine whether a user is currently authorized to access the network, not "for identifying a number or mark of a manufacturer of the IA terminal, service information including the kind of service to be received, and user registration information including user information concerning the user who receives the service, said IA terminal information representing registration information required for an Internet connection," as recited in independent claim 17. In particular, as described at column 9, lines 24-28:

> User status information is used to determine whether a user is currently authorized to access the network. For example, user "DAN DELAY" is indicated as having an expired account due, for example, to late payment of user fees or misconduct.

Since the user status information is used to determine whether a user is currently authorized to access the network, Nobakht has no "Internet appliance (IA) terminal user management device which is connected to an IA terminal via a network, comprising . . . a transmission and receiving unit user management device, transmitting and receiving the user registration information to and from the IA terminal, and requests the IA terminal to input the user registration information," as recited in independent claim 17.

In Nobakht, moreover, the input terminal 401 is used to enter channel table data and user/terminal information into channel table database 414 and network database 416, not the remote control 202 and wireless keyboard 203 or smart card 232, let alone a "transmission and

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receiving unit transmitting and receiving IA terminal information," as recited in independent claim 17. In particular, as described at column 8, lines 22-25:

> Input terminal 401 is used to enter channel table data and user/terminal information into channel table database 414 and network database 416, respectively, using known data processing techniques.

Since, in Nobakht, the input terminal 401 is used to enter channel table data and user/terminal information into channel table database 414 and network database 416, Nobakht has no "Internet appliance (IA) terminal user management device which is connected to an IA terminal via a network, comprising . . . a transmission and receiving unit user management device, transmitting and receiving the user registration information to and from the IA terminal, and requests the IA terminal to input the user registration information," as recited in independent claim 17.

Accordingly, because Nobakht fails to disclose all of the features of independent claim 17, the Examiner has failed to set forth a prima facie case of anticipation of independent claim 17 by Nobakht. Appellant, therefore, requests respectfully that the rejection of independent claim 17 be withdrawn.

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CONTINGENT AUTHORIZATION TO CHARGE DEPOSIT ACCOUNT AND CONTINGENT PETITION FOR EXTENSION OF TIME

Unless a check for the present Brief on Appeal is submitted herewith for the fee required under 37 C.F.R. § 41.20(b)(2), please charge said fee to Deposit Account No. 19-3935.

Appellants hereby petition for any extension of time that may be required to maintain the pendency of this case, and any required fee for such extension is to be charged to Deposit Account No. 19-3935.

Respectfully submitted,

STAAS & HALSEY LLP

Date: January 16, 2009   By: /Thomas E. McKiernan/
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VIII. CLAIMS APPENDIX

1.   An Internet appliance (IA) terminal user management device which is connected to an IA terminal via a network, comprising:

an IA terminal user storing unit storing IA terminal information including an IA terminal identifier for identifying a number or mark of a manufacturer of the IA terminal, service information including the kind of service to be received, and user registration information including user information concerning the user who receives the service, said IA terminal information representing registration information required for an Internet connection;

a transmission and receiving unit transmitting and receiving the user registration information to and from the IA terminal, and requests the IA terminal to input the user registration information;

a user registration information collation unit collating the user registration information received by the transmission and receiving unit user management device with the user registration information stored in the IA terminal user storing unit and writing the user registration information in the IA terminal user storing unit if necessary; and

an automatic registration unit obtaining the user registration information which has not been collated by the user registration information collation unit from the IA terminal by means of the transmission and receiving unit user management device and registering said information in the IA terminal user storing unit.

2.   The IA terminal user management device according to claim 1, wherein

the transmission and receiving unit receives user registration information including the IA terminal identifier from the IA terminal;

the user registration information collation unit collates the received user registration information with the user registration information stored in the IA terminal user storing unit;

the transmission and receiving unit transmits the collated result to the IA terminal;

the transmission and receiving unit receives additional user registration information which is not included in the received user registration information from the IA terminal; and

the automatic registration unit registers the received additional user registration information in the IA terminal user storing unit.

3.   The IA terminal user management device according to claim 1, wherein the IA

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terminal user storing unit comprises:

a machine table which stores the IA terminal identifier in association with a user identifier for identifying the user;

a subscriber table which stores the user identifier in association with a service provider identifier for identifying the service provider who provides the service; and

an affinity table which stores the service provider identifier in association with the registration procedure for registering the user determined by the service provider.

4. The IA terminal user management device according to claim 2, wherein the IA terminal user storing unit comprises:

a machine table which stores the IA terminal identifier in association with a user identifier for identifying the user;

a subscriber table which stores the user identifier in association with a service provider identifier for identifying the service provider who provides the service; and

an affinity table which stores the service provider identifier in association with the registration procedure for registering the user determined by the service provider.

5. The IA terminal user management device according to claim 1, wherein the automatic registration unit erases the user registration information stored in the IA terminal user storing unit.

6. The IA terminal user management device according to claim 2, wherein the automatic registration unit erases the user registration information stored in the IA terminal user storing unit.

7. The IA terminal user management device according to claim 3, wherein the automatic registration unit erases the user registration information stored in the IA terminal user storing unit.

8. The IA terminal user management device according to claim 4, wherein the automatic registration unit erases the user registration information stored in the IA terminal user storing unit.

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9.   An IA terminal which performs information communication with an IA terminal user management device for managing the IA terminal via a network, comprising:

a transmission and receiving unit transmitting and receiving IA terminal information including an IA terminal identifier for identifying a number or mark of a manufacturer of the IA terminal, service information including the kind of service to be received, and user registration information including user information concerning the user who receives the service to and from the IA terminal user management device which manages the IA terminal via the network, said IA terminal information representing registration information required for an Internet connection; and

an input unit inputting insufficient user registration information based on the request of the IA terminal user management device and writing the user registration information in a user storing unit of the IA terminal;

whereas the transmission and receiving unit on the IA terminal transmits the user registration information inputted by the input unit to the IA terminal user management device; and

the IA terminal user management device judges whether or not the user registration information for the device has been written to the user storing unit of the IA terminal before connecting the IA terminal to the IA terminal user management device.

10.   The IA terminal according to claim 9, wherein

the transmission and receiving unit transmits user registration information including the IA terminal identifier to the IA terminal user management device;

the transmission and receiving unit receives the result of having collated the transmitted user registration information and the user registration information stored in the IA terminal user storing unit with which the IA terminal user management device is provided;

the input unit inputs additional user registration information which is not included in the received user registration information; and

the transmission and receiving unit on the side

of the IA terminal transmits the inputted additional user registration information to the IA terminal user management device.

11.   An IA terminal user management program stored on a computer readable medium which makes a computer with which the IA terminal user management device managing

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the IA terminal connected via a network is provided realize:

the function which stores, in a database, IA terminal information including an IA terminal identifier for identifying a number or mark of a manufacturer of the IA terminal, service information including the kind of service to be received, user registration information including user information concerning the user who receives the service, said IA terminal information representing registration information required for an Internet connection;

the function which transmits and receives the user registration information to and from the IA terminal, and requests the IA terminal to input the user registration information ;

the function which collates the received user registration information with the user registration information stored in the database and writes the user registration information in a user storing unit of the IA terminal; and

the function which obtains the user registration information which is not collated by the collating function from the IA terminal, and automatically registers said information in the database.

12.   The IA terminal user management program according to claim 11, wherein

the function which transmits and receives the user registration information and requests the IA terminal to input the user registration information receives user registration information including the IA terminal identifier from the IA terminal;

the collating function collates the received user registration information with the user registration information stored in the database;

the function which transmits and receives the user registration information and requests the IA terminal to input the user registration information transmits the result of having collated said information to the IA terminal; and

the function which transmits and receives the user registration information and requests the IA terminal to input the user registration information receives additional user registration information which is not included in the received user registration information from the IA terminal, and the automatically registering function registers the received additional user registration information in the database.

13.   An IA terminal user management program stored on a computer readable medium which makes a computer with which the IA terminal performing information communication with an IA terminal user management device for managing the IA terminal via a

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network is provided realize:

the function which transmits and receives IA terminal information including an IA terminal identifier for identifying a number or mark of a manufacturer of the IA terminal, service information including the kind of service to be received, and user registration information including user information concerning the user who receives the service to and from the IA terminal user management device which manages the IA terminal via a network, said IA terminal information representing registration information required for an Internet connection; and

the function which inputs insufficient user registration information based on the request of the IA terminal user management device, and writes the user registration information in a user storing unit of the IA terminal;

whereas the transmission and receiving function transmits the inputted user registration information to the IA terminal user management device; and

the IA terminal user management device judges whether or not the user registration information for the device has been written to the user storing unit of the IA terminal before connecting the IA terminal to the IA terminal user management device.

14.   The IA terminal user management program according to claim 13, wherein

the transmission and receiving function transmits user registration information including the IA terminal identifier to the IA terminal user management device;

the transmission and receiving function receives the result of having collated the transmitted user registration information with the user registration information stored in the database with which the IA terminal user management device is provided from the IA terminal user management device;

the input function inputs additional user registration information which is not included in the received user registration information; and

the transmission and receiving function transmits the inputted additional user registration information to the IA terminal user management device.

15.   An Internet appliance user management device which is connected to an IA terminal via a network, comprising:

IA terminal user storing means for storing IA terminal information including an IA terminal identifier for identifying a number or mark of a manufacturer of the IA terminal, service information including the kind of service to be received, and user registration information

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including user information concerning the user who receives the service, said IA terminal information representing registration information required for an Internet connection;

transmission and receiving means for user management device transmitting and receiving the user registration information to and from the IA terminal, and requests the IA terminal to input the user registration information;

user registration information collation means for collating the user registration information received by the transmission and receiving means user management device with the user registration information stored in the IA terminal user storing means and for writing the user registration information in the IA terminal user storing means; and

automatic registration means for obtaining the user registration information which has not been collated by the user registration information collation means from the IA terminal by means of the transmission and receiving means user management device and registering said information in the IA terminal user storing means.

16.   An IA terminal which performs information communication with an IA terminal user management device for managing the IA terminal via a network, comprising:

transmission and receiving means for transmitting and receiving IA terminal information including an IA terminal identifier for identifying a number or mark of a manufacturer of the IA terminal, service information including the kind of service to be received, user registration information including user information concerning the user who receives the service to and from the IA terminal user management device which manages the IA terminal via the network, said IA terminal information representing registration information required for an Internet connection; and

input means for inputting insufficient user registration information based on the request of the IA terminal user management device and writing the user registration information in a user storing unit of the IA terminal;

whereas the transmission and receiving means on the IA terminal transmits the user registration information inputted by the input means to the IA terminal user management device; and

the IA terminal user management device judges whether or not the user registration information for the device has been written to the user storing unit of the IA terminal before connecting the IA terminal to the IA terminal user management device.

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17.   An Internet appliance (IA) terminal user management device which is connected to an IA terminal via a network, comprising:

an IA terminal user storing unit storing IA terminal information for the IA terminal which is connected to the terminal user management device, the information including an IA terminal identifier for identifying a number or mark of a manufacturer of the IA terminal, service information including the service to be received, and user registration information including user information concerning the user who receives the service, said IA terminal information representing registration information required for an Internet connection;

a transmission and receiving unit user management device, transmitting and receiving the user registration information to and from the IA terminal, and requests the IA terminal to input the user registration information;

a user registration information collation unit collating the user registration information received by the transmission and receiving unit user management device with the user registration information stored in the IA terminal user storing unit and writing the user registration information in the IA terminal user storing unit if necessary; and

an automatic registration unit obtaining the user registration information which has not been collated by the user registration information collation unit from the IA terminal by means of the transmission and receiving unit user management device and registering said information in the IA terminal user storing unit.

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IX. EVIDENCE APPENDIX

None.

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X. RELATED PROCEEDINGS APPENDIX

None.